CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1971	4,417	4,130	286	6.5	5.9
1972	4,511	4,261	249	5.5	5.6
1973	4,621	4,423	198	4.3	4.9
1974	4,708	4,483	225	4.8	5.6
1975	4,721	4,292	429	9.1	8.5
1976	4,749	4,378	370	7.8	7.7
1977	4,830	4,518	312	6.5	7.1
1978	4,956	4,688	268	5.4	6.1
1979	5,056	4,758	298	5.9	5.8
1980	5,086	4,660	426	8.4	7.1
1981	5,085	4,595	490	9.6	7.6
1981					
July	5,221	4,726	495	9.5	7.3
August ..	5,163	4,676	487	9.4	7.2
September	5,076	4,566	510	10.0	7.3
October .	5,084	4,580	504	9.9	7.5
November.	5,121	4,560	561	10.9	7.9
December.	5,073	4,473	600	11.8	8.3
1982					
January .	5,032	4,434	598	11.9	9.4
February.	4,967	4,361	606	12.2	9.6
March ...	5,014	4,398	616	12.3	9.5
April ...	5,050	4,444	606	12.0	9.2
May	5,092	4,526	566	11.1	9.1
June	5,251	4,607	644	12.3	9.8
July	5,261	4,617	644	12.2	9.8

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1971	3,839.5	1,333.8	2,505.7
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,367.4	1,264.5	3,102.8
1981	4,323.1	1,232.5	3,090.5
1981			
July	4,326.0	1,241.7	3,084.4
August ..	4,315.1	1,236.9	3,078.2
September	4,359.0	1,252.9	3,106.1
October .	4,363.4	1,232.0	3,131.4
November.	4,342.7	1,211.9	3,130.8
December.	4,301.4	1,173.8	3,127.6
1982			
January .	4,190.3	1,167.1	3,023.2
February.	4,171.8	1,148.9	3,022.8
March ...	4,192.5	1,147.4	3,045.1
April ...	4,216.6	1,132.2	3,084.4
May	4,244.4	1,129.5	3,114.9
June	4,256.2	1,133.5	3,122.7
July	4,203.1	1,123.1	3,080.0

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1971	20.6	155.2	223.8	185.5	597.3	158.6	587.4	577.2
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	589.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	686.3	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.1	214.6	703.1	183.4	731.4	642.3
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
1980	30.7	167.4	223.1	230.4	726.6	203.8	830.9	689.9
1981	30.3	154.2	218.4	230.7	715.3	205.2	856.2	680.2
1981								
July	32.4	166.7	220.3	232.4	717.0	207.0	864.7	644.0
August ..	32.4	167.2	220.7	231.9	719.5	207.3	864.8	634.3
September	32.6	165.9	221.2	231.6	722.9	206.2	871.1	654.6
October .	31.8	166.2	221.2	231.4	721.6	206.0	870.0	683.2
November.	32.4	161.3	220.5	231.1	728.1	205.6	864.9	686.9
December.	32.2	149.0	220.1	231.2	740.2	206.3	860.2	688.6
1982								
January .	31.8	126.5	213.4	228.4	692.5	204.5	849.7	676.4
February.	31.7	122.7	212.1	227.7	681.4	204.2	858.2	684.8
March ...	31.8	128.4	211.9	228.8	687.3	204.6	866.5	685.9
April ...	32.4	138.7	214.0	229.4	700.0	205.1	882.1	682.7
May	32.9	145.6	215.1	229.6	708.5	205.8	890.1	687.3
June	33.1	149.0	216.2	230.9	710.8	207.7	900.1	674.7
July	33.0	152.6	216.8	230.6	706.6	208.9	896.5	635.1

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1971	1,333.8	936.1	397.7	958.1	$160.7	39.0
1972	1,346.8	948.8	398.0	977.6	181.0	40.7
1973	1,426.3	1,018.2	408.1	1,045.0	210.4	44.2
1974	1,416.6	1,013.1	403.5	1,026.5	217.0	42.3
1975	1,267.5	892.4	375.1	899.3	201.9	36.2
1976	1,295.3	910.6	384.6	922.0	232.8	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,382.3	980.5	401.8	979.0	318.5	40.6
1980	1,264.5	882.6	382.0	867.8	301.9	35.2
1981	1,232.5	858.9	373.6	847.6	330.4	34.7
1981						
July	1,241.7	867.2	374.4	854.5	331.7	34.7
August ..	1,236.9	860.2	376.7	851.4	335.3	34.8
September	1,252.9	872.6	380.3	868.0	344.5	35.6
October .	1,232.0	858.2	373.8	848.8	334.0	34.3
November.	1,211.9	841.1	370.8	830.6	331.0	33.8
December.	1,173.8	807.0	366.8	794.3	316.3	32.4
1982						
January .	1,167.1	804.8	362.3	789.1	305.8	31.0
February.	1,148.9	789.3	359.7	773.7	306.2	31.0
March ...	1,147.4	789.7	357.7	773.5	306.2	30.9
April ...	1,132.2	776.2	356.1	759.7	302.2	30.3
May	1,129.5	773.4	356.1	757.5	305.7	30.5
June	1,133.5	777.0	356.5	762.1	315.4	31.0
July	1,123.1	769.1	354.0	752.1	307.5	30.2

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1971	$167.68	$171.36	$158.77	40.7	40.8	40.4	$4.12	$4.20	$3.93
1972	185.12	190.19	172.60	41.6	41.8	40.9	4.45	4.55	4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1981	389.78	401.64	358.16	40.9	40.9	40.7	9.53	9,82	8.80
1981									
July	388.14	400.49	357.62	40.6	40.7	40.5	9.56	9.84	8.83
August ..	393.87	406.72	360.45	40.9	41.0	40.5	9.63	9.92	8.90
September	396.88	408.59	365.79	41.0	40.9	41.1	9.68	9.99	8.90
October .	393.50	405.21	364.41	40.4	40.4	40.4	9.74	10.03	9.02
November.	398.45	410.26	367.43	40.7	40.7	40.6	9.79	10.08	9.05
December.	398.21	409.22	372.91	40.8	40.8	40.8	9.76	10.03	9.14
1982									
January .	387.50	395.69	366.83	39.3	39.1	39.7	9.86	10.12	9.24
February.	395.79	405.60	373.30	40.1	40.0	40.4	9.87	10.14	9.24
March ...	395.81	406.36	370.93	39.9	39.8	40.1	9.92	10.21	9.25
April ...	397.80	407.55	374.00	39.9	39.8	40.0	9.97	10.24	9.35
May	403.61	414.63	377.21	40.2	40.1	40.3	10.04	10.34	9.36
June	413.92	426.54	381.92	40.7	40.7	40.5	10.17	10.48	9.43
July	408.83	421.70	377.88	40.2	40.2	40.2	10.17	10.49	9.40

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1971	68.7	158.5	160.0	200.0	127.4	155.2	80.4	68.2	99.3
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.9	67.4	92.7
1981	61.2	137.9	154.6	203.5	102.0	136.5	70.5	66.3	89.0
1981									
July	61.9	139.3	156.2	204.7	103.0	137.8	70.1	66.3	89.3
August ..	62.7	139.7	153.9	202.2	103.3	133.8	72.5	66.4	89.0
September	62.4	140.8	156.8	204.5	103.9	139.0	74.7	66.6	89.8
October .	60.9	137.3	155.0	202.3	102.0	136.6	71.2	66.7	88.7
November.	60.4	134.3	152.9	198.8	100.1	132.4	69.9	66.2	87.5
December.	58.2	125.0	148.3	196.6	97.8	119.5	70.0	66.0	84.8
1982									
January .	55.4	126.0	143.3	193.2	97.9	129.8	68.3	65.6	84.0
February.	55.3	123.5	141.1	191.0	97.4	121.3	68.2	65.8	82.1
March ...	54.5	122.6	140.3	189.0	96.9	126.9	68.0	65.2	81.6
April ...	54.0	117.8	139.5	185.9	95.9	123.3	67.5	64.8	81.2
May	54.2	115.3	138.6	183.3	95.4	126.6	67.6	64.2	81.6
June	54.9	116.4	138.4	181.2	96.0	129.2	68.7	63.6	81.5
July	55.2	115.0	135.8	179.0	95.3	128.8	68.6	62.9	80.1
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1971	$162.96	$177.36	$173.40	$169.33	$159.20	$198.55	$163.49	$173.82	$162.80
1972	175.14	204.61	187.87	193.46	164.42	219.99	173.43	187.21	180.48
1973	189.03	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.03	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1981									
July	349.57	486.38	385.92	388.40	346.73	469.06	360.91	346.94	363.69
August ..	353.42	485.48	388.24	393.18	354.24	498.38	361.84	351.16	372.69
September	360.14	504.00	385.60	391.96	354.08	485.41	378.88	364.03	359.96
October .	356.65	475.61	392.18	394.54	356.49	485.81	368.33	356.45	377.51
November.	361.97	488.03	391.78	402.26	357.86	481.31	378.84	363.65	376.58
December.	359.31	476.80	398.05	403.38	361.34	480.24	379.61	368.16	386.75
1982									
January .	354.09	465.17	369.95	385.66	353.70	464.07	367.54	360.43	369.03
February.	361.00	479.97	387.89	391.55	365.82	476.49	376.28	365.00	382.94
March ...	371.18	466.29	393.03	390.98	361.43	485.44	377.29	357.00	376.25
April ...	368.15	473.14	397.79	387.68	364.05	493.07	380.42	352.08	376.14
May	372.20	473.07	400.57	387.29	366.96	522.22	385.40	358.45	380.55
June	379.86	495.67	408.18	401.79	366.16	541.37	390.45	354.52	395.37
July	383.87	486.29	407.38	393.42	365.49	529.91	386.10	350.39	388.14

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
JULY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1982[b]	June 1982[c]	July 1981[c]	June 1982	July 1981
TOTAL	4203.1	4256.2	4326.0	- 1.2	- 2.8
MANUFACTURING	1123.1	1133.5	1241.7	- .9	- 9.6
Durable Goods[e]	769.1	777.0	867.2	- 1.0	- 11.3
Lumber and wood products	13.1	13.2	13.9	- .8	- 5.7
Furniture and fixtures	13.3	13.3	15.1	- .3	- 12.2
Household furniture	6.1	6.3	7.2	- 3.8	- 15.7
Stone, clay, and glass products	55.2	54.9	61.9	.6	- 10.8
Glass and glassware, pressed or blown	14.1	13.8	14.8	2.2	- 4.6
Structural clay products	4.6	4.5	6.2	1.8	- 25.1
Pottery and related products	5.9	5.9	6.6	1.2	- 10.2
Primary metal industries	115.0	116.4	139.3	- 1.2	- 17.4
Blast furnace and basic steel products	58.2	59.1	73.9	- 1.5	- 21.3
Iron and steel foundries	23.6	24.2	29.0	- 2.2	- 18.5
Nonferrous rolling and drawing	18.3	18.4	19.2	- .1	- 4.6
Nonferrous foundries	8.7	8.5	9.4	2.0	- 7.8
Fabricated metal products	135.8	138.4	156.2	- 1.9	- 13.1
Cutlery, hand tools, and hardware	10.6	11.0	13.3	- 3.7	- 20.2
Plumbing and heating, except electric	4.6	4.6	5.3	.2	- 13.8
Fabricated structural metal products	33.5	33.5	35.7	.1	- 6.1
Screw machine products, bolts, etc.	9.3	9.4	10.6	- 1.7	- 12.6
Metal forgings and stampings	37.7	38.8	45.3	- 2.9	- 16.8
Machinery, except electrical	179.0	181.2	204.7	- 1.2	- 12.6
Construction and related machinery	21.1	21.6	25.8	- 2.3	- 17.9
Metalworking machinery	46.8	48.0	55.4	- 2.6	- 15.6
Special industry machinery	19.6	19.6	21.4	- .3	- 8.4
General industrial machinery	34.9	35.0	38.7	- .3	- 9.9
Electric and electronic equipment	95.3	96.0	103.0	- .8	- 7.5
Electrical industrial apparatus	20.5	21.0	24.1	- 2.1	- 14.6
Household appliances	16.5	16.5	18.1	.4	- 8.6
Electric lighting and wiring equipment	19.1	19.4	20.0	- 1.6	- 4.3
Communication equipment	12.2	12.1	11.7	1.0	3.9
Transportation equipment	128.8	129.2	137.8	- .3	- 6.5
Motor vehicles and equipment	82.5	83.6	92.5	- 1.3	- 10.8
Aircraft and parts	37.4	37.1	36.1	.9	3.6
Instruments and related products	20.2	20.6	21.6	- 1.6	- 6.4
Measuring and controlling devices	11.8	12.1	13.3	- 2.4	- 11.4
Nondurable Goods[f]	354.0	356.5	374.4	- .7	- 5.5
Food and kindred products	68.6	68.7	70.1	- .1	- 2.1
Meat products	11.3	11.3	11.8	.0	- 4.4
Dairy products	11.4	11.4	12.0	- .1	- 5.3
Bakery products	11.5	11.4	11.7	.9	- 1.9
Beverages	10.5	10.8	10.8	- 2.4	- 2.3
Textile mill products	4.4	4.6	4.7	- 3.0	- 6.2
Apparel and other textile products	16.8	16.8	17.1	.0	- 1.8
Paper and allied products	35.0	35.2	38.0	- .4	- 8.0
Paper mills, except building paper	8.8	8.9	10.1	- 1.2	- 12.6
Misc. converted paper products	11.3	11.3	11.8	- .2	- 4.3
Paperboard containers and boxes	11.6	11.7	12.7	- 1.0	- 9.3
Printing and publishing	62.9	63.6	66.3	- 1.2	- 5.2
Newspapers	18.4	19.4	19.4	- 5.1	- 5.4
Commercial printing	23.0	22.9	25.6	.1	- 10.2
Chemicals and allied products	67.1	67.1	68.7	.0	- 2.3
Industrial inorganic chemicals	12.8	12.9	12.9	- .6	- .9
Plastics materials and synthetics	9.2	9.2	9.8	- .7	- 6.3
Petroleum and coal products	13.6	13.5	14.6	.8	- 6.9
Rubber and misc. plastics products	80.1	81.5	89.3	- 1.7	- 10.2
Tires and inner tubes	21.3	22.1	24.5	- 3.5	- 13.0
Miscellaneous plastics products	39.7	39.8	44.2	- .3	- 10.3
Leather and leather products	5.3	5.4	5.4	- 1.3	- 2.6

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
JULY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$408.83	$413.92	$388.14	40.2	40.7	40.6	$10.17	$10.17	$ 9.56
Durable Goods[d]	421.70	426.54	400.49	40.2	40.7	40.7	10.49	10.48	9.84
Lumber and wood products	281.64	286.04	266.93	38.9	39.4	40.2	7.24	7.26	6.64
Furniture and fixtures	289.18	294.03	270.51	38.1	39.1	38.7	7.59	7.52	6.99
Household furniture	255.27	259.78	236.93	38.1	38.6	38.4	6.70	6.73	6.17
Stone, clay, and glass products	383.87	379.86	349.57	41.1	41.2	40.6	9.34	9.22	8.61
Glass and glassware, pressed or blown.	380.44	384.87	356.29	38.9	39.8	39.5	9.78	9.67	9.02
Structural clay products	287.04	289.76	274.46	40.6	41.1	40.6	7.07	7.05	6.76
Pottery and related products	299.41	301.86	270.85	37.9	38.7	36.7	7.90	7.80	7.38
Primary metal industries	486.29	495.67	486.38	39.6	40.2	41.5	12.28	12.33	11.72
Blast furnace and basic steel products	506.15	520.73	529.17	38.2	39.3	41.7	13.25	13.25	12.69
Iron and steel foundries	486.10	479.04	431.17	41.3	40.7	40.6	11.77	11.77	10.62
Nonferrous rolling and drawing	479.02	503.48	468.46	39.2	40.9	39.7	12.22	12.31	11.80
Nonferrous foundries	350.22	355.18	332.44	41.3	41.3	41.4	8.48	8.60	8.03
Fabricated metal products	407.38	408.18	385.92	39.9	39.9	40.2	10.21	10.23	9.60
Cutlery, hand tools, and hardware	397.44	389.64	387.00	38.4	38.2	38.7	10.35	10.20	10.00
Plumbing and heating, except electric.	334.36	335.15	316.68	37.4	37.7	38.2	8.94	8.89	8.29
Fabricated structural metal products .	365.88	352.74	340.42	39.3	38.3	39.4	9.31	9.21	8.64
Screw machine products, bolts, etc.	340.07	347.81	343.39	38.6	39.3	39.2	8.81	8.85	8.76
Metal forgings and stampings	496.05	505.40	470.30	41.2	41.7	41.4	12.04	12.12	11.36
Machinery, except electrical	393.42	401.79	388.40	39.5	40.3	41.1	9.96	9.97	9.45
Construction and related machinery	394.21	398.33	378.28	38.8	39.4	40.2	10.16	10.11	9.41
Metalworking machinery	379.82	376.75	375.87	38.6	38.8	40.2	9.84	9.71	9.35
Special industry machinery	381.71	388.66	366.74	41.4	42.2	42.3	9.22	9.21	8.67
General industrial machinery	383.38	392.03	385.36	38.3	39.4	40.1	10.01	9.95	9.61
Electric and electronic equipment	365.49	366.16	346.73	39.3	39.8	39.9	9.30	9.20	8.69
Electrical industrial apparatus	342.62	340.48	356.79	37.9	38.0	41.2	9.04	8.96	8.66
Household appliances	375.41	383.40	339.68	39.6	40.4	38.6	9.48	9.49	8.80
Electric lighting and wiring equipment	365.09	359.79	322.26	39.9	40.7	39.3	9.15	8.84	8.20
Communication equipment	401.76	391.17	355.20	40.5	39.0	38.4	9.92	10.03	9.25
Transportation equipment	529.91	541.37	469.06	42.7	43.8	41.4	12.41	12.36	11.33
Motor vehicles and equipment	560.29	577.52	498.72	43.4	44.7	42.3	12.91	12.92	11.79
Aircraft and parts	453.86	443.90	396.08	40.2	40.8	39.1	11.29	10.88	10.13
Instruments and related products	284.20	280.02	263.70	39.2	39.0	39.3	7.25	7.18	6.71
Measuring and controlling devices	273.70	273.18	269.00	37.7	38.1	39.5	7.26	7.17	6.81
Nondurable Goods[e]	377.88	381.92	357.62	40.2	40.5	40.5	9.40	9.43	8.83
Food and kindred products	386.10	390.45	360.91	40.9	41.1	41.2	9.44	9.50	8.76
Meat products	412.00	417.58	401.80	40.0	40.7	41.0	10.30	10.26	9.80
Dairy products	387.13	381.89	343.14	43.4	43.2	43.0	8.92	8.84	7.98
Bakery products	371.99	373.97	368.06	39.7	39.7	42.6	9.37	9.42	8.64
Beverages	320.16	336.93	323.90	36.8	37.9	39.5	8.70	8.89	8.20
Textile mill products	258.86	274.22	260.25	37.9	39.8	40.1	6.83	6.89	6.49
Apparel and other textile products	213.67	218.37	207.92	36.4	36.7	36.8	5.87	5.95	5.65
Paper and allied products	390.92	390.96	372.74	43.1	43.2	43.8	9.07	9.05	8.51
Paper mills, except building paper	510.26	491.23	469.79	49.3	47.6	49.4	10.35	10.32	9.51
Misc. converted paper products	343.54	332.09	323.79	40.8	40.4	41.3	8.42	8.22	7.84
Paperboard containers and boxes	353.56	364.23	327.16	41.4	42.5	41.1	8.54	8.57	7.96
Printing and publishing	350.39	354.52	346.94	37.0	37.2	38.0	9.47	9.53	9.13
Newspapers	306.90	325.62	318.68	31.0	32.4	33.3	9.90	10.05	9.57
Commercial printing	368.21	358.90	370.99	38.8	38.1	39.3	9.49	9.42	9.44
Chemicals and allied products	419.22	416.97	386.51	41.1	41.0	40.9	10.20	10.17	9.45
Industrial inorganic chemicals	445.71	445.95	439.30	41.5	41.6	42.2	10.74	10.72	10.41
Plastics materials and synthetics	455.14	450.06	410.02	43.1	42.7	41.5	10.56	10.54	9.88
Petroleum and coal products	562.47	578.88	535.99	43.3	43.2	43.4	12.99	13.40	12.35
Rubber and misc. plastics products	388.14	395.37	363.69	40.6	41.4	40.5	9.56	9.55	8.98
Tires and inner tubes	512.68	523.58	515.27	42.3	43.2	43.3	12.12	12.12	11.90
Miscellaneous plastics products	372.67	378.10	342.07	39.9	40.7	39.5	9.34	9.29	8.66
Leather and leather products	193.21	192.77	184.88	37.3	37.0	37.2	5.18	5.21	4.97

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
JULY 1982 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1982[b]	June 1982[c]	July 1981[c]	June 1982	July 1981
NONMANUFACTURING	3080.0	3122.7	3084.4	- 1.4	- .1
MINING	33.0	33.1	32.4	- .6	1.7
Bituminous coal and lignite mining	13.9	14.0	14.1	- .4	- 1.3
CONSTRUCTION	152.6	149.0	166.7	2.4	- 8.4
General building contractors	36.7	34.9	39.8	5.2	- 7.8
Heavy construction contractors	25.5	25.3	28.2	.8	- 9.7
TRANSPORTATION AND PUBLIC UTILITIES	216.8	216.2	220.3	.3	- 1.6
Railroad transportation	24.9	24.6	26.7	1.1	- 6.9
Transportation, except railroads	95.4	95.5	96.6	- .1	- 1.3
Trucking and warehousing	71.0	71.1	72.1	- .1	- 1.6
Communication, electric, gas services	96.6	96.2	96.9	.4	- .4
Communication	54.6	54.6	55.5	.0	- 1.5
Electric, gas, and sanitary services	42.0	41.5	41.5	1.0	1.2
WHOLESALE TRADE	230.6	230.9	232.4	- .1	- .8
Wholesale trade-durable goods	148.3	148.5	149.9	- .2	- 1.1
Motor vehicles & automotive equipment	20.6	20.6	21.4	- .1	- 3.5
Electrical goods	19.4	19.4	19.5	- .4	- .6
Machinery, equipment, and supplies	62.4	62.3	62.4	.1	.1
Wholesale trade-nondurable goods	82.3	82.4	82.5	- .1	- .2
Groceries and related products	24.5	24.5	24.3	.2	.9
RETAIL TRADE	706.6	710.8	717.0	- .6	- 1.4
General merchandise stores	108.4	108.9	116.3	- .4	- 6.8
Department stores	98.8	99.2	106.1	- .3	- 6.9
Food stores	116.8	116.6	117.3	.2	- .4
Automotive dealers & service stations	70.7	70.9	73.8	- .3	- 4.2
Apparel and accessory stores	34.1	34.4	34.4	- 1.1	- 1.1
FINANCE, INSURANCE, AND REAL ESTATE	208.9	207.7	207.0	.6	.9
Banking	59.7	59.4	59.9	.5	- .3
Credit agencies other than banks	31.0	30.9	30.4	.3	1.9
Insurance carriers	59.3	59.1	59.0	.4	.6
SERVICES	896.5	900.1	864.7	- .4	3.7
Hotels and other lodging places	34.2	34.0	33.7	.4	1.5
Laundry, cleaning, & garment services	17.3	17.5	17.4	- 1.0	- .9
Business services	132.7	132.3	128.3	.3	3.4
Health services	317.2	313.9	300.4	1.1	5.6
Hospitals	175.6	173.4	167.4	1.2	4.9
GOVERNMENT	635.1	674.7	644.0	- 5.9	- 1.4
Federal government	90.4	89.6	91.2	.8	- .9
State government	125.4	137.9	126.1	- 9.0	- .6
State government, except education	72.6	71.4	73.4	1.7	- 1.1
State government education[i]	52.8	66.5	52.7	- 20.5	.2
Local government	419.3	447.2	426.6	- 6.2	- 1.7
Local government, except education	198.7	192.3	200.4	3.3	- .9
Local government education	220.6	254.9	226.2	- 13.5	- 2.5

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering educational programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
JULY 1982 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
MINING	$444.26	$440.91	$428.85	42.8	42.6	43.1	$10.38	$10.35	$ 9.95
Bituminous coal and lignite mining	525.57	522.07	500.61	40.9	41.5	41.0	12.85	12.58	12.21
CONSTRUCTION	556.26	540.94	522.73	38.1	37.0	38.1	14.60	14.62	13.72
General building contractors	492.98	490.31	481.00	36.9	36.4	37.2	13.36	13.47	12.93
Heavy construction contractors	607.21	550.80	528.63	41.0	37.7	40.2	14.81	14.61	13.15
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Railroad transportation	......	......	......	....	....	....	....	....	....
Transportation, except railroads	......	......	......	....	....	....	....	....	....
Trucking and warehousing	455.81	459.54	448.06	36.7	37.0	38.1	12.42	12.42	11.76
Communication, electric, gas services ..	418.48	418.31	392.78	40.2	40.3	41.0	10.41	10.38	9.58
Communication	400.30	402.73	378.68	39.4	39.6	40.5	10.16	10.17	9.35
Electric, gas, and sanitary services .	441.66	440.26	412.00	41.2	41.3	41.7	10.72	10.66	9.88
WHOLESALE TRADE	311.59	308.46	299.12	38.9	38.8	39.1	8.01	7.95	7.65
Wholesale trade-durable goods	303.03	300.70	295.07	38.9	38.9	39.5	7.79	7.73	7.47
Motor vehicles & automotive equipment.	256.19	251.66	279.50	38.7	37.9	39.2	6.62	6.64	7.13
Electrical goods	255.07	252.52	248.30	37.4	37.3	38.2	6.82	6.77	6.50
Machinery, equipment, and supplies ...	331.57	328.94	308.11	39.1	39.3	39.4	8.48	8.37	7.82
Wholesale trade-nondurable goods	327.99	322.25	307.26	39.0	38.5	38.6	8.41	8.37	7.96
Groceries and related products	362.37	359.77	344.43	41.7	41.4	41.2	8.69	8.69	8.36
RETAIL TRADE[f]	155.17	153.83	152.70	29.5	29.3	30.0	5.26	5.25	5.09
General merchandise stores	161.39	156.60	154.43	30.8	30.0	30.4	5.24	5.22	5.08
Department stores	163.55	158.70	156.67	30.8	30.0	30.6	5.31	5.29	5.12
Food stores	226.89	227.84	234.53	31.6	31.6	33.6	7.18	7.21	6.98
Automotive dealers & service stations ..	198.15	199.93	201.47	36.9	37.3	37.8	5.37	5.36	5.33
Apparel and accessory stores	113.30	112.88	113.29	27.3	27.2	27.7	4.15	4.15	4.09
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	202.84	200.26	185.16	....	....	....	....	....	....
Credit agencies other than banks	201.75	200.12	189.93	....	....	....	....	....	....
Insurance carriers	273.18	270.40	253.91	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
Hotels and other lodging places	......	......	......	....	....	....	....	....	....
Laundry, cleaning, & garment services ..	......	......	......	....	....	....	....	....	....
Business services	......	......	......	....	....	....	....	....	....
Health services	......	......	......	....	....	....	....	....	....
Hospitals	264.96	263.93	241.40	34.1	34.1	34.0	7.77	7.74	7.10
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education ...	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education ...	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes miscellaneous manufacturing. [e] Includes tobacco manufactures. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
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Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
JULY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1982[b]	June 1982[c]	July 1981[c]	June 1982	July 1981
TOTAL	251.6	252.1	257.1	- .2	- 2.1
MANUFACTURING	70.1	70.8	75.8	- 1.0	- 7.6
Durable Goods[e]	34.8	35.4	38.0	- 1.7	- 8.3
Stone, clay, and glass products	1.6	1.6	1.9	.6	- 16.0
Fabricated metal products	12.9	13.5	14.7	- 4.4	- 11.8
Machinery, except electrical	9.8	9.9	10.8	- .9	- 9.5
Special industry machinery	1.8	1.9	2.1	- 4.3	- 14.7
Nondurable Goods[f]	35.2	35.4	37.8	- .4	- 6.8
Food and kindred products	2.8	2.8	3.0	- 1.5	- 7.6
Chemicals and allied products	3.7	3.6	3.4	.9	7.9
Rubber and misc. plastics products	23.7	24.0	26.2	- 1.0	- 9.5
Tires and inner tubes	17.7	18.0	20.2	- 1.7	- 12.3
NONMANUFACTURING[g]	181.5	181.3	181.2	.1	.1
CONSTRUCTION	7.9	7.3	8.6	8.8	- 8.1
TRANSPORTATION AND PUBLIC UTILITIES	13.6	13.7	13.9	- .5	- 1.8
Communication, electric, gas services	5.6	5.6	5.5	.5	1.1
WHOLESALE TRADE	12.4	12.3	12.1	.3	2.3
RETAIL TRADE	45.5	45.6	45.5	- .4	.0
FINANCE, INSURANCE, AND REAL ESTATE	9.3	9.3	9.3	.3	.4
SERVICES	55.0	54.8	53.6	.4	2.7
GOVERNMENT	37.1	37.6	37.6	- 1.3	- 1.4
State government (includes education)	9.5	8.6	9.6	10.5	- 1.1
Local government (includes education)	25.5	26.9	25.9	- 5.2	- 1.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
JULY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$401.02	$407.12	$400.98	41.3	41.5	41.9	$ 9.71	$ 9.81	$ 9.57
Durable Goods[d]	392.92	401.44	383.26	41.1	41.6	41.3	9.56	9.65	9.28
Stone, clay, and glass products	366.54	376.68	364.56	41.7	43.0	41.1	8.79	8.76	8.87
Fabricated metal products	393.02	394.82	385.31	39.9	39.8	39.6	9.85	9.92	9.73
Machinery, except electrical	387.81	407.45	387.47	41.7	43.3	43.1	9.30	9.41	8.99
Special industry machinery	347.38	367.33	360.40	38.9	41.6	42.6	8.93	8.83	8.46
Nondurable Goods[e]	412.26	415.24	423.02	41.6	41.4	42.6	9.91	10.03	9.93
Food and kindred products	429.79	425.92	401.62	44.4	44.0	46.7	9.68	9.68	8.60
Chemicals and allied products	434.51	434.09	440.95	41.7	41.5	45.6	10.42	10.46	9.67
Rubber and misc. plastics products	431.04	437.14	451.54	42.3	42.4	42.8	10.19	10.31	10.55
Tires and inner tubes	550.23	559.07	552.13	43.6	44.3	44.1	12.62	12.62	12.52
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	526.29	552.90	523.77	37.7	38.8	39.0	13.96	14.25	13.43
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	421.20	410.40	395.09	40.0	40.0	40.9	10.53	10.26	9.66
WHOLESALE TRADE	284.57	282.17	280.74	39.8	39.3	38.3	7.15	7.18	7.33
RETAIL TRADE[f]	170.07	171.80	168.17	30.1	30.3	30.8	5.65	5.67	5.46
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
JULY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1982[b]	June 1982[c]	July 1981[c]	June 1982	July 1981
TOTAL	155.1	155.9	158.4	- .5	- 2.1
MANUFACTURING	51.7	52.1	56.1	- .9	- 7.9
Durable Goods[e]	39.7	40.2	43.9	- 1.2	- 9.4
Stone, clay, and glass products	1.9	2.0	2.2	- 1.8	- 11.0
Primary metal industries	11.8	12.2	14.8	- 3.1	- 20.2
Fabricated metal products	9.3	9.3	10.1	- .1	- 7.1
Fabricated structural metal products	3.4	3.4	3.3	- .1	4.0
Metal forgings and stampings	2.5	2.5	3.1	.2	- 19.4
Nondurable Goods[f]	11.9	11.9	12.2	.1	- 2.6
Food and kindred products	4.2	4.2	4.3	1.3	- 2.4
Rubber and misc. plastics products	3.2	3.2	3.2	- 1.2	- .7
NONMANUFACTURING[g]	103.4	103.8	102.3	- .3	1.1
CONSTRUCTION	5.8	5.3	5.6	9.8	2.8
TRANSPORTATION AND PUBLIC UTILITIES	7.1	7.1	7.0	- .4	.5
Communication, electric, gas services	3.1	3.0	3.0	.2	1.1
WHOLESALE TRADE	7.3	7.4	7.4	- .5	- .3
RETAIL TRADE	26.2	26.3	26.0	- .1	.9
FINANCE, INSURANCE, AND REAL ESTATE	6.5	6.5	6.4	.0	2.6
SERVICES	30.9	31.0	30.3	- .3	2.0
GOVERNMENT	18.1	18.8	18.2	- 3.4	- .2
Local government (includes education)	15.1	15.8	15.0	- 4.2	.5

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
JULY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$399.84	$403.46	$387.25	39.2	39.4	39.8	$10.20	$10.24	$ 9.73
Durable Goods[d]	403.91	410.55	390.66	38.8	39.1	39.5	10.41	10.50	9.89
Stone, clay, and glass products	259.90	259.07	264.38	39.2	38.9	42.3	6.63	6.66	6.25
Primary metal industries	449.81	454.98	462.17	36.6	36.9	39.2	12.29	12.33	11.79
Fabricated metal products	426.78	434.91	388.44	39.7	39.9	39.0	10.75	10.90	9.96
Fabricated structural metal products	409.18	398.78	361.21	41.0	40.2	41.0	9.98	9.92	8.81
Metal forgings and stampings	485.47	525.36	456.30	38.9	40.6	39.0	12.48	12.94	11.70
Nondurable Goods[e]	382.32	377.58	368.74	40.5	40.6	40.7	9.44	9.30	9.06
Food and kindred products	418.42	417.88	393.12	38.6	38.8	39.0	10.84	10.77	10.08
Rubber and misc. plastics products	403.42	402.54	394.16	46.0	45.9	46.1	8.77	8.77	8.55
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	542.43	532.17	509.18	36.8	36.4	38.4	14.74	14.62	13.26
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	434.19	423.91	409.36	41.0	40.8	41.9	10.59	10.39	9.77
WHOLESALE TRADE	293.74	281.25	275.60	38.0	37.4	38.6	7.73	7.52	7.14
RETAIL TRADE[f]	151.17	150.23	146.42	29.7	29.4	29.7	5.09	5.11	4.93
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
JULY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1982[b]	June 1982[c]	July 1981[c]	June 1982	July 1981
TOTAL	582.3	592.5	590.5	- 1.7	- 1.4
MANUFACTURING	149.9	151.7	158.4	- 1.2	- 5.4
Durable Goods[e]	82.8	84.2	88.3	- 1.6	- 6.2
Furniture and fixtures	2.2	2.2	2.5	- .4	- 12.7
Primary metal industries	2.3	2.3	2.6	- 1.3	- 12.5
Fabricated metal products	12.7	12.8	14.7	- 1.2	- 13.8
Fabricated structural metal products	4.4	4.3	4.7	2.7	- 7.4
Machinery, except electrical	22.7	23.6	25.8	- 3.9	- 11.9
Metalworking machinery	11.3	12.1	13.6	- 6.7	- 16.6
General industrial machinery	3.4	3.4	3.8	- .4	- 11.2
Electric and electronic equipment	8.1	8.2	8.8	- 1.5	- 8.1
Transportation equipment	23.9	23.7	23.1	.6	3.3
Motor vehicles and equipment	9.0	9.1	7.0	- .8	28.6
Nondurable Goods[f]	67.1	67.6	70.1	- .7	- 4.4
Food and kindred products	15.9	16.2	16.7	- 1.9	- 4.8
Meat products	2.3	2.4	2.6	- 3.5	- 13.1
Bakery products	2.5	2.4	2.5	1.7	- .9
Beverages	4.5	4.7	4.7	- 5.0	- 4.7
Apparel and other textile products	3.9	3.8	3.9	1.0	.4
Paper and allied products	5.9	6.1	6.3	- 3.2	- 6.6
Printing and publishing	11.6	11.6	12.0	.3	- 3.3
Chemicals and allied products	22.1	22.1	22.4	.0	- 1.3
Rubber and misc. plastics products	3.8	3.9	4.5	- 2.3	- 15.6
NONMANUFACTURING[g]	432.5	440.8	432.0	- 1.9	.1
CONSTRUCTION	21.5	21.9	23.9	- 1.7	- 9.9
TRANSPORTATION AND PUBLIC UTILITIES	32.9	33.0	33.2	- .4	- .9
Communication, electric, gas services	14.5	14.4	14.3	.6	1.1
WHOLESALE TRADE	37.6	37.7	38.0	- .3	- .9
RETAIL TRADE	100.0	100.7	101.0	- .7	- 1.0
FINANCE, INSURANCE, AND REAL ESTATE	32.5	32.3	32.6	.7	- .3
Banking	7.5	7.4	7.6	[illegible]	- 1.2
Insurance carriers	11.3	11.3	11.3	.6	- .1
SERVICES	130.7	130.9	126.3	- .2	3.5
GOVERNMENT	76.9	83.9	76.8	- 8.4	.0
Federal government	13.0	13.2	12.9	- 1.2	.7
State government (includes education)	16.3	18.3	16.5	- 11.1	- 1.1
Local government	47.6	52.4	47.4	- 9.2	.3
Local government, except education	23.0	22.8	22.7	.7	1.1
Local government education	24.6	29.6	24.7	- 16.9	- .5

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
JULY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$390.17	$394.42	$357.06	40.6	41.0	40.9	$ 9.61	$ 9.62	$ 8.73
Durable Goods[d]	385.97	390.04	348.47	40.5	41.1	40.9	9.53	9.49	8.52
Furniture and fixtures	255.23	255.93	238.92	35.4	35.3	37.1	7.21	7.25	6.44
Primary metal industries	332.40	346.56	369.42	35.1	36.1	39.3	9.47	9.60	9.40
Fabricated metal products	355.85	367.57	341.13	40.3	41.3	41.5	8.83	8.90	8.22
Fabricated structural metal products	340.72	334.15	299.63	41.4	40.9	41.5	8.23	8.17	7.22
Machinery, except electrical	333.84	332.52	323.56	39.0	38.8	39.7	8.56	8.57	8.15
Metalworking machinery	371.84	349.13	350.84	39.1	37.3	39.2	9.51	9.36	8.95
General industrial machinery	319.73	352.97	334.82	38.2	40.9	41.8	8.37	8.63	8.01
Electric and electronic equipment	291.91	290.82	271.48	39.5	39.3	40.1	7.39	7.40	6.77
Transportation equipment	553.74	574.40	479.83	42.4	44.7	42.5	13.06	12.85	11.29
Motor vehicles and equipment	654.50	701.30	611.35	45.2	48.1	48.1	14.48	14.58	12.71
Nondurable Goods[e]	394.79	398.62	366.79	40.7	40.8	40.8	9.70	9.77	8.99
Food and kindred products	461.58	461.42	417.73	42.0	42.1	41.4	10.99	10.96	10.09
Meat products	454.02	456.96	442.24	42.0	42.0	41.8	10.81	10.88	10.58
Bakery products	384.99	388.82	399.12	41.0	40.8	45.2	9.39	9.53	8.83
Beverages	422.10	423.85	367.48	42.0	42.3	39.9	10.05	10.02	9.21
Apparel and other textile products	218.50	231.67	205.91	38.2	39.2	37.1	5.72	5.91	5.55
Paper and allied products	338.25	348.19	319.76	41.3	41.9	41.1	8.19	8.31	7.78
Printing and publishing	355.42	371.89	354.73	37.1	38.3	38.6	9.58	9.71	9.19
Chemicals and allied products	446.61	440.90	408.39	41.7	40.9	41.8	10.71	10.78	9.77
Rubber and misc. plastics products	320.67	317.48	331.36	41.7	41.5	43.6	7.69	7.65	7.60
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	568.89	508.01	529.21	38.7	34.7	38.6	14.70	14.64	13.71
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	393.28	401.02	371.47	38.9	39.2	39.9	10.11	10.23	9.31
WHOLESALE TRADE	315.95	314.79	294.84	39.2	39.3	39.0	8.06	8.01	7.56
RETAIL TRADE[f]	155.86	155.62	154.11	30.5	30.1	30.7	5.11	5.17	5.02
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	199.17	199.44	188.94	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
JULY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1982[b]	June 1982[c]	July 1981[c]	June 1982	July 1981
TOTAL	863.0	870.1	887.2	- .8	- 2.7
MANUFACTURING	230.2	232.8	250.0	- 1.1	- 7.9
Durable Goods[e]	164.0	165.6	182.0	- 1.0	- 9.9
Furniture and fixtures	2.1	2.2	2.2	- 4.7	- 4.9
Primary metal industries	27.1	27.0	30.1	.3	- 10.0
Blast furnace and basic steel products	14.2	14.1	15.9	1.0	- 10.4
Iron and steel foundries	6.6	6.8	7.2	- 3.5	- 8.8
Nonferrous foundries	2.8	2.7	2.9	5.8	- 3.0
Fabricated metal products	35.7	36.4	39.7	- 1.9	- 10.0
Fabricated structural metal products	4.2	4.2	4.7	- 1.2	- 12.0
Screw machine products, bolts, etc.	5.6	5.6	5.9	- .4	- 5.5
Metal forgings and stampings	12.5	12.9	13.6	- 2.9	- 8.4
Machinery, except electrical	39.1	39.7	45.6	- 1.5	- 14.3
Construction and related machinery	5.9	6.2	7.8	- 4.0	- 23.6
Metalworking machinery	14.1	14.1	16.4	.3	- 14.0
Special industry machinery	4.3	4.3	4.6	.3	- 7.3
General industrial machinery	3.1	3.2	3.6	- 3.0	- 13.9
Electric and electronic equipment	24.3	24.3	24.5	- .1	- .9
Electrical industrial apparatus	8.3	8.3	9.0	- .3	- 8.3
Transportation equipment	20.6	20.9	23.8	- 1.4	- 13.7
Motor vehicles and equipment	13.6	13.9	16.3	- 1.8	- 16.6
Instruments and related products	6.3	6.4	6.7	- 1.0	- 5.7
Nondurable Goods[f]	66.3	67.2	68.0	- 1.4	- 2.6
Food and kindred products	8.2	8.2	8.5	- .5	- 4.2
Bakery products	1.8	1.8	1.9	- .2	- 1.8
Beverages	1.6	1.6	1.6	- .5	- 1.8
Apparel and other textile products	5.2	5.3	5.4	- .6	- 3.7
Paper and allied products	4.9	5.0	5.1	- 2.0	- 3.7
Printing and publishing	14.8	15.6	15.4	- 4.9	- 3.7
Chemicals and allied products	15.8	15.7	16.5	.3	- 4.1
Industrial inorganic chemicals	4.0	4.1	4.3	- .7	- 5.3
Rubber and misc. plastics products	10.8	10.9	10.9	- .9	- 1.1
NONMANUFACTURING[g]	632.8	637.3	637.2	- .7	- .7
CONSTRUCTION	27.6	27.1	29.2	1.7	- 5.6
TRANSPORTATION AND PUBLIC UTILITIES	44.8	44.7	45.7	.3	- 2.0
Communication, electric, gas services	20.1	20.0	20.0	.6	.6
WHOLESALE TRADE	61.3	61.4	62.6	- .2	- 2.2
RETAIL TRADE	134.3	135.9	136.9	- 1.1	- 1.9
FINANCE, INSURANCE, AND REAL ESTATE	48.4	48.3	48.5	.2	- .2
Banking	13.6	13.6	13.9	.3	- 2.2
Insurance carriers	11.8	11.9	12.0	- .3	- 1.4
SERVICES	197.3	198.4	192.0	- .6	2.8
GOVERNMENT	118.0	120.2	121.0	- 1.8	- 2.5
Federal government	19.6	19.5	20.0	.7	- 2.0
State government (includes education)	7.2	7.7	7.6	- 7.0	- 5.4
Local government	91.2	93.0	93.4	- 2.0	- 2.4
Local government, except education	50.8	47.2	50.7	7.7	.2
Local government education	40.4	45.8	42.7	- 11.9	- 5.4

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]
JULY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$410.66	$420.25	$391.79	40.3	41.0	40.6	$10.19	$10.25	$ 9.65
Durable Goods[d]	432.95	444.39	410.23	40.5	41.3	40.9	10.69	10.76	10.03
Furniture and fixtures	270.11	299.70	314.36	36.8	40.5	43.6	7.34	7.40	7.21
Primary metal industries	505.88	525.84	488.57	40.6	41.7	42.3	12.46	12.61	11.55
Blast furnace and basic steel products	492.53	538.54	536.36	37.2	40.1	42.2	13.24	13.43	12.71
Iron and steel foundries	651.46	636.05	539.57	46.4	45.4	43.2	14.04	14.01	12.49
Nonferrous foundries	335.62	341.82	318.80	39.3	39.7	39.9	8.54	8.61	7.99
Fabricated metal products	436.17	439.43	395.11	41.5	41.3	40.4	10.51	10.64	9.78
Fabricated structural metal products	351.54	342.29	314.34	41.9	40.7	39.0	8.39	8.41	8.06
Screw machine products, bolts, etc.	345.85	349.44	342.47	38.3	38.4	39.5	9.03	9.10	8.67
Metal forgings and stampings	560.23	578.95	496.44	43.7	44.5	42.0	12.82	13.01	11.82
Machinery, except electrical	404.40	407.95	405.55	39.3	39.8	40.8	10.29	10.25	9.94
Construction and related machinery	443.35	440.22	405.38	39.2	39.2	37.5	11.31	11.23	10.81
Metalworking machinery	386.06	365.10	404.21	38.3	37.6	41.8	10.08	9.71	9.67
Special industry machinery	408.58	416.77	391.04	39.9	40.7	39.3	10.24	10.24	9.95
General industrial machinery	386.28	387.69	397.62	38.9	39.2	42.3	9.93	9.89	9.40
Electric and electronic equipment	341.83	340.08	357.81	38.8	39.0	41.8	8.81	8.72	8.56
Electrical industrial apparatus	332.28	331.51	382.20	36.0	35.8	42.0	9.23	9.26	9.10
Transportation equipment	532.12	585.35	448.52	42.4	46.2	38.9	12.55	12.67	11.53
Motor vehicles and equipment	561.00	636.22	463.20	42.5	47.8	38.6	13.20	13.31	12.00
Instruments and related products	321.20	327.18	297.11	40.2	41.0	40.7	7.99	7.98	7.30
Nondurable Goods[e]	347.85	350.88	334.36	39.8	40.1	39.9	8.74	8.75	8.38
Food and kindred products	382.20	380.52	344.76	42.8	42.9	40.8	8.93	8.87	8.45
Bakery products	397.44	396.35	354.71	41.1	42.3	39.5	9.67	9.37	8.98
Beverages	309.66	325.21	310.37	39.0	40.6	41.0	7.94	8.01	7.57
Apparel and other textile products	246.26	247.53	234.99	37.2	37.0	37.3	6.62	6.69	6.30
Paper and allied products	356.73	358.28	347.76	40.4	40.9	42.0	8.83	8.76	8.28
Printing and publishing	354.65	369.89	356.44	36.3	37.4	38.0	9.77	9.89	9.38
Chemicals and allied products	428.06	425.76	393.59	41.6	41.7	41.3	10.29	10.21	9.53
Industrial inorganic chemicals	410.17	423.12	409.82	39.9	41.0	40.1	10.28	10.32	10.22
Rubber and misc. plastics products	304.06	309.41	288.16	41.2	41.7	40.7	7.38	7.42	7.08
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	620.02	623.32	574.93	37.6	37.8	37.7	16.49	16.49	15.25
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	443.51	448.44	422.51	40.1	40.4	41.1	11.06	11.10	10.28
WHOLESALE TRADE	332.74	333.26	317.49	39.1	39.3	39.1	8.51	8.48	8.12
RETAIL TRADE[f]	172.24	164.74	161.62	29.8	28.7	29.6	5.78	5.74	5.46
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	233.80	227.62	213.81	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]
JULY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1982[b]	June 1982[c]	July 1981[c]	June 1982	July 1981
TOTAL	502.5	509.2	504.0	- 1.3	- .3
MANUFACTURING	88.5	88.5	93.0	.1	- 4.8
Durable Goods[e]	55.6	55.5	59.4	.3	- 6.4
Stone, clay, and glass products	9.1	9.0	9.7	1.7	- 5.7
Fabricated metal products	9.1	9.2	11.4	- 1.3	- 20.1
Machinery, except electrical	10.7	10.9	11.9	- 1.7	- 10.5
Electric and electronic equipment	11.7	11.6	11.8	.6	- 1.0
Transportation equipment	6.4	6.3	5.7	2.4	13.6
Nondurable Goods[f]	32.9	33.0	33.6	- .3	- 2.0
Food and kindred products	10.9	10.8	10.6	.4	3.0
Printing and publishing	8.4	8.4	8.5	.4	- 1.8
Chemicals and allied products	6.1	6.1	6.0	- .2	1.8
Rubber and misc. plastics products	2.7	2.7	3.2	- 2.0	- 17.1
NONMANUFACTURING[g]	413.9	420.7	411.0	- 1.6	.7
CONSTRUCTION	17.7	16.6[h]	19.3	6.4	- 8.7
TRANSPORTATION AND PUBLIC UTILITIES	23.8	23.9	24.3	- .4	- 2.2
Communication, electric, gas services	11.4	11.4	11.6	- .3	- 1.6
WHOLESALE TRADE	27.7	27.7	27.3	- .1	1.3
RETAIL TRADE	92.5	93.5	91.5	- 1.1	1.1
FINANCE, INSURANCE, AND REAL ESTATE	41.5	41.2	39.6	.6	4.7
Banking	8.2	8.1	7.8	1.3	4.6
Insurance carriers	17.9	17.9	17.3	.2	3.9
SERVICES	113.6	114.1	109.4	- .5	3.8
GOVERNMENT	96.3	102.8	98.7	- 6.3	- 2.4
Federal government	11.5	11.6	11.7	- .7	- 2.0
State government	44.8	48.4	45.4	- 7.6	- 1.4
State government, except education	29.0	28.8	29.5	.9	- 1.4
State government education[i]	15.7	19.7	16.0	- 20.0	- 1.4
Local government	40.0	42.7	41.6	- 6.3	- 3.7
Local government, except education	19.9	17.9	20.5	11.0	- 2.7
Local government education	20.1	24.8	21.1	- 18.8	- 4.7

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering education programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
JULY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$370.80	$373.33	$339.31	39.7	40.1	39.5	$ 9.34	$ 9.31	$ 8.59
Durable Goods[d]	384.64	385.52	350.16	39.9	40.2	39.3	9.64	9.59	8.91
Stone, clay, and glass products	363.13	364.00	334.62	39.6	40.4	39.6	9.17	9.01	8.45
Fabricated metal products	447.35	448.40	412.65	39.8	40.0	39.3	11.24	11.21	10.50
Machinery, except electrical	369.36	381.56	342.72	40.5	41.7	40.8	9.12	9.15	8.40
Electric and electronic equipment	380.55	371.45	331.49	40.7	40.2	38.5	9.35	9.24	8.61
Transportation equipment	456.09	477.73	385.15	41.5	43.0	40.8	10.99	11.11	9.44
Nondurable Goods[e]	345.63	348.65	317.60	39.5	39.8	39.9	8.75	8.76	7.96
Food and kindred products	345.58	369.79	317.42	40.8	43.2	40.8	8.47	8.56	7.78
Printing and publishing	395.01	390.97	343.34	37.8	37.2	36.8	10.45	10.51	9.33
Chemicals and allied products	395.37	387.73	365.98	41.4	40.9	41.4	9.55	9.48	8.84
Rubber and misc. plastics products	307.97	283.28	284.80	40.1	36.6	40.0	7.68	7.74	7.12
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	497.42	488.82	473.50	38.5	38.1	39.1	12.92	12.83	12.11
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	426.26	432.28	408.62	39.8	40.1	41.4	10.71	10.78	9.87
WHOLESALE TRADE	303.42	297.22	289.08	39.0	38.5	39.6	7.78	7.72	7.30
RETAIL TRADE[f]	155.00	149.95	143.47	29.3	28.4	29.4	5.29	5.28	4.88
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	225.04	221.80	180.02	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
JULY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1982[b]	June 1982[c]	July 1981[c]	June 1982	July 1981
TOTAL	343.1	347.8	349.4	- 1.4	- 1.8
MANUFACTURING	90.8	90.7	97.9	.1	- 7.2
Durable Goods[e]	63.1	63.1	67.0	.0	- 5.7
Stone, clay, and glass products	2.0	2.1	2.4	- 3.9	- 13.9
Fabricated metal products	6.9	6.9	7.1	.9	- 1.7
Machinery, except electrical	29.7	29.8	31.5	- .1	- 5.5
Metalworking machinery	6.3	6.3	7.3	.0	- 13.4
Electric and electronic equipment	4.9	5.0	5.6	- 1.7	- 12.1
Electrical industrial apparatus	2.8	2.9	3.4	- 3.4	- 18.4
Transportation equipment	13.5	13.5	13.9	.7	- 2.7
Nondurable Goods[f]	27.7	27.6	30.9	.2	- 10.5
Food and kindred products	3.2	3.1	3.0	2.6	6.4
Paper and allied products	5.2	5.3	6.0	- 2.1	- 14.3
Printing and publishing	7.5	7.5	9.2	.2	- 18.1
Rubber and misc. plastics products	7.9	7.9	8.9	.7	- 10.8
NONMANUFACTURING[g]	252.2	257.1	251.5	- 1.9	.3
CONSTRUCTION	11.5	11.2	12.7	3.5	- 8.9
TRANSPORTATION AND PUBLIC UTILITIES	13.2	13.3	13.5	- .4	- 1.9
Communication, electric, gas services	6.5	6.5	6.8	.1	- 3.9
WHOLESALE TRADE	16.7	16.6	16.5	.3	.9
RETAIL TRADE	55.2	55.9	56.2	- 1.1	- 1.7
FINANCE, INSURANCE, AND REAL ESTATE	14.2	14.1	13.7	.9	3.6
SERVICES	76.5	76.8	73.4	- .5	4.2
GOVERNMENT	64.5	68.9	65.2	- 6.4	- 1.1
Federal government	26.5	26.1	26.4	1.4	.4
State government (includes education)	6.2	6.7	5.5	- 7.3	12.3
Local government	31.8	36.1	33.3	- 11.8	- 4.4
Local government, except education	12.9	12.9	14.6	.2	- 11.4
Local government education	18.9	23.2	18.7	- 18.5	1.0

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
JULY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$424.56	$429.30	$400.61	41.1	41.2	41.6	$10.33	$10.42	$ 9.63
Durable Goods[d]	430.36	431.19	404.18	41.5	41.5	42.5	10.37	10.39	9.51
Stone, clay, and glass products	395.20	398.69	342.07	40.0	40.6	39.5	9.88	9.82	8.66
Fabricated metal products	330.17	300.95	301.90	39.4	37.2	40.2	8.38	8.09	7.51
Machinery, except electrical	434.92	455.18	410.13	41.5	42.5	42.5	10.48	10.71	9.65
Metalworking machinery	390.78	398.00	383.64	39.0	40.0	40.9	10.02	9.95	9.38
Electric and electronic equipment	301.10	300.29	295.48	40.2	40.2	41.5	7.49	7.47	7.12
Electrical industrial apparatus	321.98	312.78	313.41	39.8	39.0	41.9	8.09	8.02	7.48
Transportation equipment	577.28	549.50	556.31	44.0	42.4	44.9	13.12	12.96	12.39
Nondurable Goods[e]	411.87	427.35	394.02	40.3	40.7	39.8	10.22	10.50	9.90
Food and kindred products	369.27	380.24	367.62	37.3	38.1	39.7	9.90	9.98	9.26
Paper and allied products	349.45	335.78	338.25	41.8	40.7	41.2	8.36	8.25	8.21
Printing and publishing	400.80	380.02	432.37	38.8	37.7	41.1	10.33	10.08	10.52
Rubber and misc. plastics products	525.34	575.96	460.63	42.4	43.6	38.1	12.39	13.21	12.09
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	550.43	497.78	500.86	39.8	36.9	39.5	13.83	13.49	12.68
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	416.71	417.10	404.42	39.8	39.8	41.1	10.47	10.48	9.84
WHOLESALE TRADE	302.43	300.56	287.60	41.6	41.4	41.5	7.27	7.26	6.93
RETAIL TRADE[f]	150.75	149.21	149.30	29.5	29.2	29.8	5.11	5.11	5.01
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
JULY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1982[b]	June 1982[c]	July 1981[c]	June 1982	July 1981
TOTAL	281.1	288.1	289.2	- 2.5	- 2.8
MANUFACTURING	68.3	69.2	74.3	- 1.3	- 8.1
Durable Goods[e]	53.1	53.6	57.7	- .9	- 7.9
Stone, clay, and glass products	12.3	12.2	13.1	.9	- 6.4
Primary metal industries	3.9	4.1	3.7	- 5.1	6.5
Fabricated metal products	7.0	7.1	8.0	- 2.0	- 13.5
Metal forgings and stampings	3.3	3.3	3.9	- 1.0	- 16.8
Machinery, except electrical	6.1	6.1	7.1	.3	- 14.0
General industrial machinery	1.9	1.9	2.1	- 3.4	- 12.5
Transportation equipment	16.5	16.7	17.0	- .8	- 2.9
Motor vehicles and equipment	15.1	15.2	15.9	- .8	- 4.8
Nondurable Goods[f]	15.2	15.6	16.7	- 2.5	- 9.0
Food and kindred products	3.8	4.1	4.0	- 6.6	- 5.0
Petroleum and coal products	1.7	1.7	2.0	1.5	- 13.4
Rubber and misc. plastics products	2.9	2.9	3.3	- 1.9	- 12.1
NONMANUFACTURING[g]	212.8	219.0	214.8	- 2.8	- .9
CONSTRUCTION	9.7[h]	10.5[h]	12.4	- 7.4	- 22.0
TRANSPORTATION AND PUBLIC UTILITIES	19.2	19.2	19.3	.3	- .6
Communication, electric, gas services	7.9	7.8	7.7	1.1	1.8
WHOLESALE TRADE	14.3	14.5	14.8	- 1.0	- 3.2
RETAIL TRADE	51.0	51.6	51.6	- 1.3	- 1.2
FINANCE, INSURANCE, AND REAL ESTATE	10.7	10.8	10.6	- .4	1.3
SERVICES	67.0	66.6	64.2	.5	4.4
GOVERNMENT	40.3	45.3	41.4	- 11.0	- 2.5
State government (includes education)	12.5	14.9	12.5	- 15.9	.2
Local government	25.0	27.6	26.1	- 9.5	- 4.1
Local government, except education	11.4	11.1	12.0	2.3	- 5.6
Local government education	13.6	16.5	14.0	- 17.4	- 2.8

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
JULY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$460.64	$458.96	$400.36	41.8	41.8	40.4	$11.02	$10.98	$ 9.91
Durable Goods[d]	480.06	474.13	409.66	42.0	41.7	40.4	11.43	11.37	10.14
Stone, clay, and glass products	488.94	487.73	413.76	43.5	43.2	41.5	11.24	11.29	9.97
Primary metal industries	424.27	421.88	444.77	42.3	42.7	44.7	10.03	9.88	9.95
Fabricated metal products	447.31	456.20	343.42	41.0	41.7	38.2	10.91	10.94	8.99
Metal forgings and stampings	526.96	533.52	399.09	42.6	43.2	38.3	12.37	12.35	10.42
Machinery, except electrical	420.95	423.31	411.67	39.9	40.2	40.8	10.55	10.53	10.09
General industrial machinery	484.51	479.40	454.82	41.2	40.8	40.5	11.76	11.75	11.23
Transportation equipment	559.40	543.02	476.40	42.8	41.9	40.0	13.07	12.96	11.91
Motor vehicles and equipment	558.97	548.60	472.43	42.8	42.2	39.7	13.06	13.00	11.90
Nondurable Goods[e]	391.68	401.28	366.12	41.1	41.8	40.5	9.53	9.60	9.04
Food and kindred products	420.65	444.32	393.12	43.5	44.7	43.2	9.67	9.94	9.10
Petroleum and coal products	603.94	616.28	575.09	43.2	43.4	43.7	13.98	14.20	13.16
Rubber and misc. plastics products	332.86	330.89	297.60	40.2	40.6	38.4	8.28	8.15	7.75
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	585.93	617.27	584.08	37.9	38.7	38.3	15.46	15.95	15.25
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services ..	472.37	452.25	422.28	41.4	40.2	40.8	11.41	11.25	10.35
WHOLESALE TRADE	327.66	324.80	309.21	38.1	37.9	38.7	8.60	8.57	7.99
RETAIL TRADE[f]	160.14	158.26	158.40	29.6	29.2	30.0	5.41	5.42	5.28
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education) ..	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education ...	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
JULY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1982[b]	June 1982[c]	July 1981[c]	June 1982	July 1981
TOTAL	188.2	191.4	200.9	- 1.7	- 6.3
MANUFACTURING	56.8	57.6	69.0	- 1.4	- 17.6
Durable Goods[e]	51.0	51.9	63.3	- 1.6	- 19.4
Stone, clay, and glass products	1.9	1.8	2.0	2.7	- 3.9
Primary metal industries	23.7	24.5	29.2	- 3.2	- 18.8
Blast furnace and basic steel products	10.9	11.6	15.6	- 6.0	- 29.8
Fabricated metal products	8.6	8.6	9.4	.4	- 8.6
Fabricated structural metal products	2.7	2.7	2.7	- .8	- .8
Machinery, except electrical	5.0	5.1	5.6	- 1.8	- 10.0
Metalworking machinery	2.3	2.4	2.5	- 3.0	- 8.1
Electric and electronic equipment	2.9	3.0	3.0	- .9	- 2.8
Transportation equipment	7.1	7.2	12.2	- 1.5	- 41.7
Nondurable Goods[f]	5.8	5.8	5.7	1.0	1.8
NONMANUFACTURING[g]	131.3	133.8	131.9	- 1.8	- .5
CONSTRUCTION	6.2	6.1	7.0	1.3	- 11.2
TRANSPORTATION AND PUBLIC UTILITIES	9.2	9.1	9.3	.8	- 1.5
Communication, electric, gas services	3.3	3.3	3.3	.7	- .2
WHOLESALE TRADE	7.9	7.9	7.9	.4	- .2
RETAIL TRADE	36.0	36.2	36.5	- .5	- 1.2
FINANCE, INSURANCE, AND REAL ESTATE	7.4	7.4	7.3	.6	2.0
SERVICES	40.3	40.2	39.6	.3	1.9
GOVERNMENT	23.4	26.1	23.6	- 10.2	- .9
Local government (includes education)	18.4	20.3	18.8	- 9.1	- 1.9

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
JULY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$466.50	$469.57	$470.66	39.5	40.1	40.4	$11.81	$11.71	$11.65
Durable Goods[d]	481.54	484.81	481.59	39.6	40.3	40.3	12.16	12.03	11.95
Stone, clay, and glass products	301.39	323.70	282.80	36.8	39.0	35.0	8.19	8.30	8.08
Primary metal industries	478.94	510.78	497.31	36.7	39.2	39.5	13.05	13.03	12.59
Blast furnace and basic steel products	490.46	517.63	517.60	35.8	38.4	40.0	13.70	13.48	12.94
Fabricated metal products	461.33	459.82	518.23	38.8	39.1	42.9	11.89	11.76	12.08
Fabricated structural metal products	354.52	351.22	396.42	36.7	36.7	40.7	9.66	9.57	9.74
Machinery, except electrical	425.59	434.72	418.00	37.3	38.1	38.0	11.41	11.41	11.00
Metalworking machinery	446.75	449.80	456.75	39.5	39.7	40.6	11.31	11.33	11.25
Electric and electronic equipment	392.70	380.03	319.50	42.5	41.9	37.9	9.24	9.07	8.43
Transportation equipment	652.56	573.29	533.75	49.7	45.9	42.7	13.13	12.49	12.50
Nondurable Goods[e]	317.57	321.70	343.86	38.4	38.9	42.4	8.27	8.27	8.11
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	606.29	553.15	536.38	40.5	37.4	37.8	14.97	14.79	14.19
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	421.05	408.18	422.61	40.1	39.9	43.3	10.50	10.23	9.76
WHOLESALE TRADE	331.63	330.06	329.64	39.2	39.2	40.2	8.46	8.42	8.20
RETAIL TRADE[f]	158.90	157.47	155.32	29.7	29.6	30.1	5.35	5.32	5.16
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.--Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.--Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.--Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.--Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.--Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.--Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.--Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.--Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.--Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.--Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.--Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers.--Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.--Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.--Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.--Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

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Ohio Bureau of Employment Services
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Ohio Labor Market Information
BUREAU OF EMPLOYMENT SERVICES
JOB SERVICE OF OHIO
JAMES A. RHODES, *Governor*
GARY E. STEIN, *Administrator*

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
AUGUST 1982

Unemployment in Ohio, estimated at 657,000 in August, represented 12.5 percent of the civilian labor force--up from 644,000 (12.2 percent) in July. Total employment declined .8 percent, to 4,578,000. Nonagricultural payroll employment slipped .3 percent, to 4,181,000, due largely to scattered layoffs in manufacturing industries.

Factory employment in Ohio dropped .9 percent to 1,109,000--the lowest level since 1949. Much of the decline occurred among the automotive industries, as motor vehicle producers and suppliers of stamped-metal parts and wire reported layoffs due both to lack of orders and to retooling for 1983 models. Fewer orders also led to cutbacks in the production of general industrial machinery, and of glassware. Employment in food production increased, however, as vegetable canners added temporary workers.

Employment in Ohio's nonmanufacturing industries dipped fractionally from July, to 3,073,000 in August. Schools and colleges furloughed additional nonteaching personnel, lowering employment in public and private educational services. Layoffs were also reported among nonschool units of local government, and in coal mining. Losses were partially offset by seasonal hiring in construction, retailing, and amusements.

Average weekly earnings of Ohio's factory production workers slipped $3 from July, to $405 in August. The average workweek was unchanged at 40.1 hours. Curtailed overtime and layoffs of relatively high-paid workers were reported by auto makers and their suppliers. Effects of these losses on the overall hours and earnings averages were moderated by gains among other industries. Petroleum refiners and producers of household furniture reported more overtime. Higher earnings in basic steel and communication equipment were due chiefly to wage-rate increases, while gains in structural metal fabricating reflected a combination of higher rates and additional overtime.

Joblessness in Ohio increased by nearly 170,000 between August 1981 and August 1982, lifting the unemployment rate from 9.4 to 12.5 percent. Total employment was down 2.1 percent over the year, as nonfarm payrolls dropped 3.1 percent. Most of the decline occurred in durable-goods manufacturing, with nonelectrical machinery, primary metals, and metal fabricating accounting for over one-half of the total factory job loss. Nonmanufacturing employment held steady, as growth in services offset cutbacks elsewhere. Production workers in Ohio factories grossed $11 more per week in August 1982 than in August of last year, although their average workweek was .8 hours shorter.

For additional Labor Market Information, write
WILLIAM PAPIER, *Director of Research and Statistics*, BUREAU OF EMPLOYMENT SERVICES, COLUMBUS 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--Nonagricultural wage and salary employment in the Akron area totaled 251,300 in August, up 300 from July. Although manufacturing decreased 200, to 69,200, seasonal growth in retail trade and services boosted nonmanufacturing for the net gain. Average hourly earnings of factory production workers increased 16¢, to $9.84 an hour. Average weekly hours, at 40.8, were down .2 hours from the previous month.

Canton.--Nonfarm establishments in Canton employed 153,700 in August, 1,400 below July. Manufacturing accounted for over two-thirds of the decrease, due to layoffs in the production of industrial machinery and equipment. Substantial cutbacks in construction lowered nonmanufacturing employment for the month. The average workweek for factory production workers, at 39.0 hours, was .4 hours longer than in July. Their average hourly earnings rose 7¢, to $10.22 for the month.

Cincinnati.--Cincinnati's nonagricultural wage and salary employment totaled 581,600 in August, little changed from July. In nonmanufacturing, shrinkage in government more than offset seasonal gains in construction. Manufacturing rose 600, to 149,900 for the month, as curtailments in motor vehicles production moderated recalls in other industries--notably metalworking machinery. Production workers in manufacturing industries grossed $9.62 per hour in August, down slightly from July. Their average workweek, at 40.7 hours, was .3 hours longer.

Cleveland.--Nonfarm payroll employment in Cleveland decreased 4,000 from July, to 857,600 in August. Layoffs of workers producing motor vehicles and metal forgings and stampings lowered manufacturing to 226,500--down 2,500 from July. Losses in government accounted for most of the decline in nonmanufacturing. The average workweek of factory production workers rose .3 hours, to 40.3 hours for the month. Hourly earnings slipped to $10.15, down 7¢ from July.

Columbus.--Nonagricultural establishments in the Columbus area employed 502,800 wage and salary workers in August, up 1,200 from July. Nonmanufacturing accounted for the increase, with greatest gains occurring in retail trade and construction. Manufacturing slipped 200, to 88,100 for the month. The average factory production worker grossed $9.42 per hour for a workweek of 39.7 hours in August--up 5¢ and .3 hours from July.

Dayton.--August nonfarm payroll employment in Dayton totaled 341,400, representing a drop of 1,300 from July. Manufacturing decreased 1,700, to 88,900 for the month, due mainly to cutbacks in durable-goods production. Seasonal expansion in services and retail trade boosted nonmanufacturing employment, tempering the manufacturing decline. The average factory production workweek, at 40.4 hours, was down .7 hours, while average hourly earnings, at $10.05, were down 23¢ from July.

Toledo.--Workers on nonfarm payrolls in Toledo numbered 281,600 in August, up 1,400 from July. Manufacturing, at 69,200, was up 2,000 from July. The increase resulted mainly from recalls in motor vehicles and equipment and seasonal expansion in food canning. However, seasonal cutbacks in schools and colleges lowered nonmanufacturing. Production workers in factories grossed $10.96 per hour, down 10¢ from July. Their average workweek slipped .2 hours, to 41.6 hours.

Youngstown-Warren.--The Youngstown-Warren area's nonagricultural wage and salary employment slipped 3,700 from July, to 183,700 in August. The decrease occurred in manufacturing--down 4,000, to 52,800--as automotive assembly workers were idled during retooling for new-model cars. Nonmanufacturing advanced only slightly over the month. The workweek and hourly earnings of the average manufacturing production worker, at 38.1 hours and $11.54 an hour, were down 1.3 hours and 31¢ respectively, from July.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216 9-16-82

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)								
1971	244.1	138.1	501.9	829.3	410.9	317.4	263.7	198.1
1972	248.1	139.8	512.0	838.0	431.6	325.5	272.4	201.1
1973	255.1	147.9	534.5	865.2	451.0	335.6	285.8	211.6
1974	259.0	152.1	542.2	879.2	457.6	334.9	285.6	213.5
1975	248.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	145.9	541.9	860.0	456.1	331.5	282.6	203.5
1977	259.3	149.8	562.1	880.9	471.6	343.1	292.1	208.0
1978	266.6	156.1	591.2	905.8	493.8	358.5	302.1	210.3
1979	270.9	160.7	607.4	919.8	507.3	364.9	306.0	213.9
1980	262.4	157.1	603.6	895.6	509.8	355.7	293.1	203.1
1981	259.0	157.3	593.9	880.8	508.3	353.4	290.9	199.1
1981								
August ..	257.3	158.7	589.2	884.3	504.6	348.7	287.6	197.5
September	262.9	158.8	598.2	883.1	508.5	356.2	291.8	202.2
October .	263.2	158.9	597.9	885.3	515.4	356.9	295.3	201.6
November.	261.1	157.9	597.1	883.6	515.6	357.0	292.3	201.8
December.	260.6	157.0	596.2	875.6	514.7	356.1	290.8	193.1
1982								
January .	252.2	152.9	576.7	856.1	499.9	349.0	281.9	191.8
February.	252.4	152.0	574.8	854.9	498.6	345.5	281.6	185.4
March ...	253.4	152.5	579.6	856.0	501.8	345.3	283.4	187.9
April ...	255.1	153.2	585.4	860.8	504.1	346.3	285.5	186.8
May	257.3	154.6	589.4	866.1	506.3	346.6	288.6	190.4
June	252.1	155.9	592.5	870.1	509.2	347.8	288.1	191.4
July	251.0	155.0	581.7	861.6	501.6	342.7	280.2	187.5
August .	251.3	153.7	581.6	857.6	502.8	341.4	281.6	183.7
MANUFACTURING EMPLOYMENT (in thousands)								
1971	91.7	58.6	160.1	273.5	98.4	112.8	86.2	88.4
1972	91.3	57.4	155.9	273.9	100.8	114.3	88.8	87.9
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.3	153.9	260.3	93.1	100.1	80.7	80.8
1976	80.3	54.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	161.1	270.8	98.9	109.2	88.2	81.1
1978	85.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	59.1	173.1	276.3	101.1	109.2	88.6	79.9
1980	79.2	55.7	162.5	254.9	96.8	99.3	75.4	70.8
1981	75.9	55.3	158.4	247.4	93.6	97.8	74.0	67.7
1981								
August ..	75.5	56.4	158.3	247.8	92.7	97.1	74.9	66.7
September	76.8	56.5	159.7	249.9	94.3	99.6	76.9	69.4
October .	76.1	56.0	158.4	248.7	93.6	98.1	74.1	68.8
November.	74.9	55.1	158.6	245.9	93.2	98.0	71.5	68.3
December.	74.3	54.0	156.7	236.9	92.0	96.7	70.1	59.9
1982								
January .	73.0	52.7	151.9	238.0	91.0	95.7	68.5	63.6
February.	72.1	52.1	149.6	236.9	89.9	93.0	68.8	56.8
March ...	71.9	51.8	150.9	234.3	89.2	91.2	68.7	58.7
April ...	71.6	50.7	150.5	233.2	88.4	90.6	68.4	55.9
May	71.4	51.0	151.0	232.6	87.8	90.2	69.0	57.8
June	70.8	52.1	151.7	232.8	88.5	90.7	69.2	57.6
July	69.4	51.7	149.3	228.9	88.3	90.6	67.2	56.8
August ..	69.2	50.6	149.9	226.5	88.1	88.9	69.2	52.8

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1971	53.8	43.2	111.5	187.4	68.8	82.3	60.6	70.6
1972	53.5	42.2	110.7	188.7	71.0	83.4	63.8	70.2
1973	55.5	46.3	115.2	200.4	74.1	85.0	66.5	75.6
1974	56.1	46.9	115.3	199.5	71.2	79.5	63.1	74.2
1975	48.4	40.5	106.3	176.0	64.2	70.9	55.1	63.3
1976	44.5	40.4	107.8	180.9	65.4	73.4	59.3	63.3
1977	49.2	41.1	110.7	184.0	68.6	75.7	62.8	63.6
1978	49.4	42.2	116.4	188.0	70.1	77.5	64.1	62.5
1979	53.8	43.2	117.0	188.6	69.1	74.4	61.7	62.5
1980	47.5	40.1	106.6	169.2	64.6	65.5	49.6	54.1
1981	43.9	40.0	104.3	162.3	61.6	64.4	48.8	51.1
1981								
August ..	42.9	40.9	103.7	161.9	61.1	63.5	49.6	50.3
September	44.0	40.9	105.3	163.9	62.3	65.9	51.6	52.8
October .	43.3	40.4	104.3	162.4	61.4	64.8	49.0	52.3
November.	41.9	39.4	104.6	159.4	61.1	64.6	47.1	51.7
December.	41.4	38.3	102.8	150.4	60.1	63.4	45.9	43.8
1982								
January .	40.2	37.1	98.7	152.0	59.3	62.4	44.3	47.2
February.	39.4	36.6	96.8	151.4	58.2	59.8	44.8	41.2
March ...	39.3	36.2	98.2	149.0	57.5	58.4	44.8	42.8
April ...	39.2	35.2	97.7	148.2	56.8	57.9	44.7	40.4
May	39.1	35.7	98.3	147.7	56.3	57.8	45.1	41.9
June	38.5	36.9	99.1	148.0	57.0	58.4	45.3	42.0
July	37.2	36.4	96.8	144.6	56.9	58.1	43.3	41.1
August ..	37.2	35.6	97.2	142.1	56.7	56.4	45.3	37.3
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1971	40.6	38.9	41.0	40.6	39.6	40.6	41.4	41.4
1972	42.1	40.6	41.9	42.3	40.4	42.5	42.0	41.2
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.1	39.7	41.0	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.2	41.5	39.5
1977	42.3	39.7	41.6	42.8	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.9	40.4	42.8	42.4	41.4
1979	41.6	40.9	41.5	42.2	40.1	42.1	40.9	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1981	41.8	40.0	41.1	41.1	40.0	41.4	40.9	40.8
1981								
August ..	41.7	39.6	40.6	41.1	40.4	41.9	40.3	41.7
September	40.8	40.1	41.2	40.9	40.0	40.8	41.6	41.5
October .	41.2	39.7	40.7	40.7	39.8	41.1	41.1	39.8
November.	41.5	39.8	41.0	40.8	40.3	41.0	40.7	40.4
December.	42.4	40.2	41.1	40.7	40.4	41.1	41.3	39.1
1982								
January .	40.6	38.2	39.8	38.8	39.5	39.5	39.7	39.1
February.	41.6	39.3	39.8	40.2	39.8	40.0	41.0	39.3
March ...	41.2	38.7	39.9	40.1	39.4	39.5	40.9	39.1
April ...	40.8	38.9	40.2	40.1	39.4	39.8	40.3	38.6
May	41.0	38.9	40.6	40.5	39.7	40.0	41.0	39.3
June	41.5	39.4	41.0	41.0	40.1	41.2	41.8	40.1
July	41.0	38.6	40.4	40.0	39.4	41.1	41.8	39.4
August ..	40.8	39.0	40.7	40.3	39.7	40.4	41.6	38.1

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties. [k] Not comparable to prior data due to change in sample composition.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS							
1971	$4.36	$4.09	$3.89	$4.15	$3.77	$4.49	$4.26	$4.46
1972	4.68	4.48	4.15	4.50	4.06	4.74	4.67	4.88
1973	4.99	4.80	4.44	4.83	4.36	5.00	5.01	5.29
1974	5.28	5.24	4.82	5.21	4.73	5.29	5.39	5.80
1975	5.66	5.64	5.19	5.63	5.18	5.73	5.80	6.39
1976	6.02	6.18	5.65	6.22	5.64	6.28	6.32	7.02
1977	6.75	6.88	6.27	6.84	6.08	6.92	7.00	7.76
1978	7.19	7.56	6.81	7.50	6.55	7.38	7.53	8.54
1979	7.73	8.09	7.31	8.00	7.05	8.00	8.14	9.27
1980	8.72	8.79	8.06	8.63	7.73	8.65	8.90	10.27
1981	9.50	9.76	8.78	9.62	8.67	9.61	9.93	11.62
1981								
August ..	9.60	9.78	8.80	9.72	8.71	9.85	9.92	11.79
September	9.64	9.96	8.93	9.79	8.86	9.72	10.13	11.69
October .	9.66	9.98	8.99	9.83	8.96	9.96	10.20	11.58
November.	9.70	10.01	9.08	9.83	9.05	9.88	10.22	11.69
December.	9.71	10.09	9.14	9.71	9.07	9.95	10.46	11.59
1982								
January .	9.73	,.95	9.26	9.82	9.04	9.92	10.58	11.73
February.	9.77	10.05	9.24	9.86	9.05	9.82	10.70	11.70
March ...	9.83	10.01	9.41	9.93	9.12	9.84	10.80	11.69
April ...	9.80	10.08	9.43	9.99	9.18	9.94	10.80	11.59
May	9.78	10.13	9.53	10.12	9.27	10.06	10.91	11.70
June	9.81	10.24	9.62	10.25	9.31	10.42	10.98	11.71
July	9.68	10.15	9.64	10.22	9.37	10.28	11.06	11.85
August ..	9.84	10.22	9.62	10.15	9.42	10.05	10.96	11.54
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS							
1971	$177.02	$159.10	$159.49	$168.49	$149.29	$182.29	$176.36	$184.64
1972	197.03	181.89	173.89	190.35	164.02	201.45	196.14	201.06
1973	214.57	196.80	187.37	208.66	177.89	216.50	215.93	226.94
1974	223.34	210.12	199.55	219.34	187.78	216.89	222.07	236.06
1975	232.63	222.22	211.75	227.45	205.13	236.65	234.32	246.65
1976	253.44	244.73	232.22	260.62	226.16	271.30	262.28	277.29
1977	285.53	273.14	260.83	292.75	245.02	301.02	298.90	313.50
1978	304.14	304.67	286.70	321.75	264.62	315.86	319.27	353.56
1979	321.57	330.88	303.37	337.60	282.71	336.80	332.93	377.29
1980	361.88	342.81	332.07	350.38	305.34	358.98	361.34	409.77
1981	397.10	390.40	360.86	395.38	346.80	397.85	406.14	474.10
1981								
August ..	400.32	387.29	357.28	399.49	351.88	412.72	399.78	491.64
September	393.31	399.40	367.92	400.41	354.40	396.58	421.41	485.14
October .	397.99	396.21	365.89	400.08	356.61	409.36	419.22	460.88
November.	402.55	398.40	372.28	401.06	364.72	405.08	415.95	472.28
December.	411.70	405.62	375.65	395.20	366.43	408.95	432.00	453.17
1982								
January .	395.04	380.09	368.55	381.02	357.08	391.84	420.03	458.64
February.	406.43	394.97	367.75	396.37	360.19	392.80	438.70	459.81
March ...	405.00	387.39	375.46	398.19	359.33	388.68	441.72	457.08
April ...	399.84	392.11	379.09	400.60	361.69	395.61	435.24	447.37
May	400.98	394.06	386.92	409.86	368.02	402.40	447.31	459.81
June	407.12	403.46	394.42	420.25	373.33	429.30	458.96	469.57
July	396.88	391.79	389.46	408.80	369.18	422.51	462.31	466.89
August ..	401.47	398.58	391.53	409.05	373.97	406.02	455.94	439.67

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Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
AKRON[b]					CANTON[c]				
1971	277.7	261.3	16.3	5.9	1971	164.9	152.3	12.6	7.6
1972	282.2	267.3	14.8	5.3	1972	165.6	155.3	10.3	6.2
1973	287.1	274.9	12.2	4.3	1973	171.2	163.1	8.1	4.7
1974	290.8	277.7	13.0	4.5	1974	175.6	167.5	8.1	4.6
1975	292.0	264.3	27.7	9.5	1975	174.7	158.0	16.7	9.6
1976	291.3	266.3	25.0	8.6	1976	174.4	158.6	15.8	9.1
1977	294.2	274.7	19.5	6.6	1977	175.9	163.1	12.9	7.3
1978	298.9	282.2	16.7	5.6	1978	179.9	170.0	9.9	5.5
1979	303.8	285.4	18.4	6.1	1979	184.3	173.7	10.6	5.7
1980	303.9	278.2	25.7	8.5	1980	187.7	170.8	16.8	9.0
1981	301.8	273.2	28.6	9.5	1981	188.1	170.1	18.0	9.6
1981					1981				
July	308.2	278.7	29.4	9.6	July	193.8	175.5	18.3	9.5
August	307.0	276.9	30.1	9.8	August	191.8	174.4	17.4	9.1
September ..	302.6	273.1	29.5	9.7	September .	189.2	169.1	20.1	10.6
October	302.2	273.7	28.6	9.4	October ...	187.0	169.5	17.5	9.4
November ...	304.6	272.2	32.4	10.6	November ..	188.8	168.9	19.9	10.5
December ...	302.7	269.0	33.7	11.1	December ..	187.8	166.2	21.6	11.5
1982					1982				
January	298.4	264.2	34.2	11.5	January ...	187.7	164.1	23.6	12.6
February ...	295.5	260.4	35.1	11.9	February ..	184.6	161.0	23.6	12.8
March	297.2	261.9	35.3	11.9	March	187.3	161.9	25.4	13.6
April	299.7	265.7	34.0	11.4	April	188.5	163.9	24.6	13.1
May	301.5	270.4	31.1	10.3	May	190.3	167.0	23.3	12.2
June	305.4	269.9	35.4	11.6	June	196.5	170.8	25.7	13.1
July[p]	311.1	273.5	37.6	12.1	July[p]	201.6	172.5	29.1	14.4
CINCINNATI[d]					CLEVELAND[e]				
1971	550.0	516.0	34.0	6.2	1971	866.7	811.7	55.0	6.3
1972	561.0	529.0	32.0	5.7	1972	873.2	825.2	48.0	5.5
1973	572.0	543.0	29.0	5.1	1973	883.9	849.0	34.9	3.9
1974	595.3	569.8	25.5	4.3	1974	899.1	861.4	37.7	4.2
1975	595.3	551.6	43.6	7.3	1975	896.9	826.3	70.6	7.9
1976	600.6	562.6	38.0	6.3	1976	897.7	834.4	63.3	7.0
1977	618.8	584.4	34.4	5.6	1977	908.5	854.4	54.0	5.9
1978	648.3	615.8	32.5	5.0	1978	921.7	878.5	43.2	4.7
1979	663.4	628.1	35.3	5.3	1979	935.8	889.1	46.7	5.0
1980	676.2	628.6	47.5	7.0	1980	937.1	869.0	68.2	7.3
1981	678.6	619.2	59.5	8.8	1981	929.2	850.8	78.4	8.4
1981					1981				
July	691.1	628.1	63.0	9.1	July	960.4	877.8	82.6	8.6
August	683.6	624.4	59.1	8.7	August	947.5	867.9	79.7	8.4
September ..	680.1	616.3	63.8	9.4	September .	922.4	839.8	82.6	9.0
October	678.9	616.1	62.7	9.2	October ...	923.6	843.7	79.9	8.7
November ...	684.3	617.1	67.2	9.8	November ..	931.4	844.3	87.1	9.4
December ...	679.4	611.6	67.8	10.0	December ..	921.1	829.1	92.1	10.0
1982					1982				
January	665.4	594.4	71.1	10.7	January ...	905.6	821.3	84.4	9.3
February ...	657.0	585.6	71.4	10.9	February ..	892.2	809.1	83.0	9.3
March	664.3	591.2	73.0	11.0	March	903.7	811.3	92.5	10.2
April	669.7	601.4	68.3	10.2	April	910.4	821.7	88.6	9.7
May	675.9	611.2	64.7	9.6	May	921.3	834.7	86.5	9.4
June	696.8	622.8	74.0	10.6	June	953.0	849.8	103.2	10.8
July[p]	696.7	622.7	74.0	10.6	July[p]	959.0	856.1	102.9	10.7

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. Data are geared to 1980 Census (only 1978 - 1982 data in Cincinnati area). [b] Defined as Portage and Summit Counties. [c] Defined as Carroll and Stark Counties. [d] Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e] Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]

(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
COLUMBUS[f]					DAYTON[g]				
1971	445.6	425.6	20.0	4.5	1971	349.5	326.1	23.3	6.7
1972	469.1	450.2	18.9	4.0	1972	353.5	336.2	17.3	4.9
1973	485.5	468.3	17.1	3.5	1973	358.0	343.5	14.5	4.1
1974	495.4	475.5	19.9	4.0	1974	359.5	342.5	17.0	4.7
1975	495.0	458.6	36.5	7.4	1975	357.6	327.7	29.9	8.4
1976	503.6	468.5	35.1	7.0	1976	360.5	336.3	24.2	6.7
1977	513.4	483.3	30.1	5.9	1977	368.6	348.3	20.3	5.5
1978	531.4	506.5	24.9	4.7	1978	381.1	363.7	17.3	4.6
1979	543.0	517.1	25.8	4.8	1979	392.2	367.9	24.2	6.2
1980	554.7	523.3	31.5	5.7	1980	390.2	360.9	29.3	7.5
1981	562.5	518.7	43.8	7.8	1981	389.8	357.4	32.4	8.3
1981					1981				
July	573.9	528.1	45.8	8.0	July	397.4	362.2	35.2	8.9
August	569.2	524.6	44.7	7.8	August	392.7	359.0	33.8	8.6
September ..	561.3	511.9	49.4	8.8	September .	388.9	354.8	34.1	8.8
October	565.5	519.2	46.3	8.2	October ...	389.7	356.4	33.3	8.5
November ...	570.6	520.4	50.2	8.8	November ..	393.8	357.1	36.7	9.3
December ...	563.4	514.2	49.2	8.7	December ..	391.4	352.2	39.2	10.0
1982					1982				
January	554.8	506.0	48.8	8.8	January ...	389.5	349.7	39.8	10.2
February ...	547.5	498.2	49.4	9.0	February ..	383.4	341.7	41.7	10.9
March	553.8	502.5	51.4	9.3	March	387.5	342.3	45.2	11.7
April	559.6	508.8	50.8	9.1	April	389.7	346.2	43.5	11.2
May	564.4	516.4	48.0	8.5	May	390.3	350.0	40.3	10.3
June	582.0	528.1	53.8	9.2	June	402.2	356.2	46.1	11.5
July[p]	581.8	528.9	52.9	9.1	July[p]	401.3	356.7	44.6	11.1
TOLEDO[h]					YOUNGSTOWN-WARREN[i]				
1971	319.3	300.3	19.1	6.0	1971	225.1	207.1	18.0	8.0
1972	329.4	311.3	18.1	5.5	1972	226.9	212.1	14.8	6.5
1973	339.8	324.2	15.6	4.6	1973	232.5	221.8	10.8	4.6
1974	343.8	324.2	19.7	5.7	1974	236.7	223.7	13.0	5.5
1975	344.8	310.2	34.6	10.0	1975	236.7	209.8	26.9	11.4
1976	347.8	319.4	28.4	8.2	1976	234.2	210.5	23.7	10.1
1977	355.0	329.4	25.6	7.2	1977	234.0	215.0	19.0	8.1
1978	362.1	339.7	22.4	6.2	1978	235.2	217.5	17.7	7.5
1979	368.2	341.7	26.4	7.2	1979	237.1	219.9	17.1	7.2
1980	367.7	329.7	38.0	10.3	1980	238.4	210.4	28.0	11.7
1981	366.9	327.3	39.6	10.8	1981	233.1	205.3	27.7	11.9
1981					1981				
July	374.6	334.4	40.3	10.8	July	237.6	212.2	25.3	10.7
August	370.7	330.9	39.9	10.8	August	234.5	207.1	27.4	11.7
September ..	365.7	324.9	40.8	11.2	September .	231.0	205.2	25.8	11.2
October	370.6	329.0	41.6	11.2	October ...	230.2	204.9	25.3	11.0
November ...	368.8	326.1	42.6	11.6	November ..	235.0	205.6	29.4	12.5
December ...	365.4	319.9	45.5	12.4	December ..	232.0	195.0	37.1	16.0
1982					1982				
January	361.0	313.4	47.6	13.2	January ...	232.6	196.1	36.5	15.7
February ...	355.7	310.0	45.7	12.8	February ..	232.8	187.2	45.6	19.6
March	360.2	312.1	48.2	13.4	March	231.2	190.0	41.1	17.8
April	362.5	317.5	45.0	12.4	April	236.5	190.4	46.2	19.5
May	365.1	325.3	39.8	10.9	May	236.5	195.8	40.7	17.2
June	374.5	329.8	44.7	11.9	June	244.2	199.7	44.6	18.2
July[p]	374.6	327.6	47.0	12.5	July[p]	243.7	199.5	44.3	18.2

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. Data are geared to 1980 Census. [f] Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Defined as Greene, Miami, Montgomery, and Preble Counties. [h] Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Defined as Mahoning and Trumbull Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1971	4,416	4,130	286	6.5	5.9
1972	4,510	4,261	249	5.5	5.6
1973	4,621	4,423	198	4.3	4.9
1974	4,708	4,483	225	4.8	5.6
1975	4,721	4,292	429	9.1	8.5
1976	4,749	4,378	370	7.8	7.7
1977	4,830	4,518	312	6.5	7.1
1978	4,956	4,688	263	5.4	6.1
1979	5,056	4,758	298	5.9	5.8
1980	5,086	4,660	426	8.4	7.1
1981	5,085	4,595	490	9.6	7.6
1981					
August ..	5,163	4,676	487	9.4	7.2
September	5,076	4,566	510	10.0	7.3
October .	5,084	4,580	504	9.9	7.5
November.	5,121	4,560	561	10.9	7.9
December.	5,073	4,473	600	11.8	8.3
1982					
January .	5,032	4,434	598	11.9	9.4
February.	4,967	4,361	606	12.2	9.6
March ...	5,014	4,398	616	12.3	9.5
April ...	5,050	4,444	606	12.0	9.2
May	5,092	4,526	566	11.1	9.1
June	5,251	4,607	644	12.3	9.8
July	5,261	4,617	644	12.2	9.8
August ..	5,235	4,578	657	12.5	9.6

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1971	3,839.5	1,333.8	2,505.7
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,367.4	1,264.5	3,102.8
1981	4,323.1	1,232.5	3,090.5
1981			
August ..	4,315.1	1,236.9	3,078.2
September	4,359.0	1,252.9	3,106.1
October .	4,363.4	1,232.0	3,131.4
November.	4,342.7	1,211.9	3,130.8
December.	4,301.4	1,173.8	3,127.6
1982			
January .	4,190.3	1,167.1	3,023.2
February.	4,171.8	1,148.9	3,022.8
March ...	4,192.5	1,147.4	3,045.1
April ...	4,216.6	1,132.2	3,084.4
May	4,244.4	1,129.5	3,114.9
June	4,256.2	1,133.5	3,122.7
July	4,194.7	1,118.8	3,075.9
August ..	4,181.4	1,108.5	3,073.0

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1971	20.8	155.2	223.8	185.5	597.3	158.6	587.4	577.2
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	589.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	686.3	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.1	214.6	703.1	183.4	731.4	642.3
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
1980	30.7	167.4	223.1	230.4	726.6	203.8	830.9	689.9
1981	30.3	154.2	218.4	230.7	715.3	205.2	856.2	680.2
1981								
August ..	32.4	167.2	220.7	231.9	719.5	207.3	864.8	634.3
September	32.6	165.9	221.2	231.6	722.9	206.2	871.1	654.6
October .	31.8	166.2	221.2	231.4	721.6	206.0	870.0	683.2
November.	32.4	161.3	220.5	231.1	728.1	205.6	864.9	686.9
December.	32.2	149.0	220.1	231.2	740.2	206.3	860.2	688.6
1982								
January .	31.8	126.5	213.4	228.4	692.5	204.5	849.7	676.4
February.	31.7	122.7	212.1	227.7	681.4	204.2	858.2	684.8
March ...	31.8	128.4	211.9	228.8	687.3	204.6	866.5	685.9
April ...	32.4	138.7	214.0	229.4	700.0	205.1	882.1	682.7
May	32.9	145.6	215.1	229.6	708.5	205.8	890.1	687.3
June	33.1	149.0	216.2	230.9	710.8	207.7	900.1	674.7
July	32.8	152.4	215.0	230.5	707.4	208.6	896.1	633.2
August ..	32.0	154.1	214.8	230.3	709.5	208.3	897.9	626.1

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[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1971	1,333.8	936.1	397.7	958.1	$160.7	39.0
1972	1,346.8	948.8	398.0	977.6	181.0	40.7
1973	1,426.3	1,018.2	408.1	1,045.0	210.4	44.2
1974	1,416.6	1,013.1	403.5	1,026.5	217.0	42.3
1975	1,267.5	892.4	375.1	899.3	201.9	36.2
1976	1,295.3	910.6	384.6	922.0	232.8	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,382.3	980.5	401.8	979.0	318.5	40.6
1980	1,264.5	882.6	382.0	867.8	301.9	35.2
1981	1,232.5	858.9	373.6	847.6	330.4	34.7
1981						
August ..	1,236.9	860.2	376.7	851.4	335.3	34.8
September	1,252.9	872.6	380.3	868.0	344.5	35.6
October .	1,232.0	858.2	373.8	848.8	344.0	34.3
November.	1,211.9	841.1	370.8	830.6	331.0	33.8
December.	1,173.8	807.0	366.8	794.3	316.3	32.4
1982						
January .	1,167.1	804.8	362.3	789.1	305.8	31.0
February.	1,148.9	789.3	359.7	773.7	306.2	31.0
March ...	1,147.4	789.7	357.7	773.5	306.2	30.9
April ...	1,132.2	776.2	356.1	759.7	302.2	30.3
May	1,129.5	773.4	356.1	757.5	305.7	30.5
June	1,133.5	777.0	356.5	762.1	315.4	31.0
July	1,118.8	765.2	353.6	748.2	305.1	30.0
August ..	1,108.5	753.0	355.5	738.4	299.1	29.6

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1971	$167.68	$171.36	$158.77	40.7	40.8	40.4	$4.12	$4.20	$3.93
1972	185.12	190.19	172.60	41.6	41.8	40.9	4.45	4.55	4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1981	389.78	401.64	358.16	40.9	40.9	40.7	9.53	9.82	8.80
1981									
August ..	393.87	406.72	360.45	40.9	41.0	40.5	9.63	9.92	8.90
September	396.88	408.59	365.79	41.0	40.9	41.1	9.68	9.99	8.90
October .	393.50	405.21	364.41	40.4	40.4	40.4	9.74	10.03	9.02
November.	398.45	410.26	367.43	40.7	40.7	40.6	9.79	10.08	9.05
December.	398.21	409.22	372.91	40.8	40.8	40.8	9.76	10.03	9.14
1982									
January .	387.50	395.69	366.83	39.3	39.1	39.7	9.86	10.12	9.24
February.	395.79	405.60	373.30	40.1	40.0	40.4	9.87	10.14	9.24
March ...	395.81	406.36	370.93	39.9	39.8	40.1	9.92	10.21	9.25
April ...	397.80	407.55	374.00	39.9	39.8	40.0	9.97	10.24	9.35
May	403.61	414.63	377.21	40.2	40.1	40.3	10.04	10.34	9.36
June	413.92	426.54	381.92	40.7	40.7	40.5	10.17	10.48	9.43
July	407.82	419.60	379.22	40.1	40.0	40.3	10.17	10.49	9.41
August ..	405.01	415.76	379.89	40.1	39.9	40.5	10.10	10.42	9.38

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Trans- portation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
EMPLOYMENT (in thousands)									
1971	68.7	158.5	160.0	200.0	127.4	155.2	80.4	68.2	99.3
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.9	67.4	92.7
1981	61.2	137.9	154.6	203.5	102.0	136.5	70.5	66.3	89.0
1981									
August ..	62.7	139.7	153.9	202.2	103.3	133.8	72.5	66.4	89.0
September	62.4	140.8	156.8	204.5	103.9	139.0	74.7	66.6	89.8
October .	60.9	137.3	155.0	202.3	102.0	136.6	71.2	66.7	88.7
November.	60.4	134.3	152.9	198.8	100.1	132.4	69.9	66.2	87.5
December.	58.2	125.0	148.3	196.6	97.8	119.5	70.0	66.0	84.8
1982									
January .	55.4	126.0	143.3	193.2	97.9	129.8	68.3	65.6	84.0
February.	55.3	123.5	141.1	191.0	97.4	121.3	68.2	65.8	82.1
March ...	54.5	122.6	140.3	189.0	96.9	126.9	68.0	65.2	81.6
April ...	54.0	117.8	139.5	185.9	95.9	123.3	67.5	64.8	81.2
May	54.2	115.3	138.6	183.3	95.4	126.6	67.6	64.2	81.6
June	54.9	116.4	138.4	181.2	96.0	129.2	68.7	63.6	81.5
July	55.0	114.2	135.3	177.3	95.3	127.9	68.6	62.7	80.3
August ..	54.3	113.6	133.5	175.6	94.3	120.7	71.0	62.4	79.7
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS									
1971	$162.96	$177.36	$173.40	$169.33	$159.20	$198.55	$163.49	$173.82	$162.80
1972	175.14	204.61	187.87	193.46	164.42	219.99	173.43	187.21	180.48
1973	189.03	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.03	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1981									
August ..	353.42	485.48	388.24	393.18	354.24	498.38	361.84	351.16	372.69
September	360.14	504.00	385.60	391.96	354.08	485.41	378.88	364.03	359.96
October .	356.65	475.61	392.18	394.54	356.49	485.81	368.33	356.45	377.51
November.	361.97	488.03	391.78	402.26	357.86	481.31	378.84	363.65	376.58
December.	359.31	476.80	398.05	403.38	361.34	480.24	379.61	368.16	386.75
1982									
January .	354.09	465.17	369.95	385.66	353.70	464.07	367.54	360.43	369.03
February.	361.00	479.97	387.89	391.55	365.82	476.49	376.28	365.00	382.94
March ...	371.18	466.29	393.03	390.98	361.43	485.44	377.29	357.00	376.25
April ...	368.15	473.14	397.79	387.68	364.05	493.07	380.42	352.08	376.14
May	372.20	473.07	400.57	387.29	366.96	522.22	385.40	358.45	380.55
June	379.86	495.67	408.18	401.79	366.16	541.37	390.45	354.52	395.37
July	380.14	488.71	405.73	390.04	358.75	528.24	385.02	351.50	385.70
August ..	381.89	492.72	402.16	392.42	362.00	505.82	387.71	350.85	385.56

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
AUGUST 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1982[b]	July 1982[c]	August 1981[c]	July 1982	August 1981
TOTAL	4181.4	4194.7	4315.1	- .3	- 3.1
MANUFACTURING	1108.5	1118.8	1236.9	- .9	- 10.4
Durable Goods[e]	753.0	765.2	860.2	- 1.6	- 12.5
Lumber and wood products	13.1	13.1	14.0	- .2	- 6.1
Furniture and fixtures	13.6	13.3	14.9	2.0	- 8.9
Household furniture	6.3	6.1	7.2	1.8	- 12.6
Stone, clay, and gless products	54.3	55.0	62.7	- 1.2	- 13.4
Glass and glassware, pressed or blown	13.6	14.1	14.8	- 3.7	- 8.4
Structural clay products	4.7	4.6	6.1	2.5	- 23.5
Pottery and related products	5.9	5.9	7.0	.8	- 15.5
Primary metal industries	113.6	114.2	139.7	- .5	- 18.7
Blast furnace and basic steel products	58.0	57.6	74.5	.6	- 22.2
Iron and steel foundries	23.8	23.6	28.0	.7	- 15.1
Nonferrous rolling and drawing	17.5	18.3	19.2	- 4.4	- 8.7
Nonferrous foundries	8.4	8.6	10.3	- 2.3	- 18.3
Fabricated metal products	133.5	135.3	153.9	- 1.4	- 13.3
Cutlery, hand tools, and hardware	10.6	10.5	12.4	.8	- 14.8
Plumbing and heating, except electric.	4.7	4.6	5.2	1.7	- 10.1
Fabricated structural metal products	33.4	33.4	35.5	- .2	- 6.0
Screw machine products, bolts, etc.	9.3	9.2	10.6	.7	- 12.7
Metal forgings and stampings	35.3	37.4	44.0	- 5.6	- 19.8
Machinery, except electrical	175.6	177.3	202.2	- 1.0	- 13.2
Construction and related machinery	20.4	20.5	25.4	- .4	- 19.5
Metalworking machinery	47.2	46.6	54.1	1.4	- 12.7
Special industry machinery	19.3	19.4	21.5	- .4	- 10.2
General industrial machinery	32.9	34.5	38.9	- 4.6	- 15.3
Electric and electronic equipment	94.3	95.3	103.3	- 1.0	- 8.7
Electrical industrial apparatus	20.2	20.5	23.9	- 1.4	- 15.5
Household appliances	16.0	16.5	18.6	- 2.9	- 14.0
Electric lighting and wiring equipment	18.9	19.2	20.1	- 1.4	- 5.9
Communication equipment	12.0	12.2	11.6	- 1.3	3.7
Transportation equipment	120.7	127.9	133.8	- 5.6	- 9.7
Motor vehicles and equipment	74.3	81.8	88.5	- 9.1	- 16.0
Aircraft and parts	37.4	37.4	36.1	.0	3.6
Instruments and related products	20.4	20.2	22.0	.7	- 7.5
Measuring and controlling devices	12.0	11.9	13.6	1.0	- 12.0
Nondurable Goods[f]	355.5	353.6	376.7	.5	- 5.6
Food and kindred products	71.0	68.6	72.5	3.5	- 2.1
Meat products	11.2	11.3	11.8	- .9	- 5.0
Dairy products	11.3	11.3	11.9	- .5	- 5.4
Bakery products	11.4	11.4	11.6	- .2	- 1.5
Beverages	10.9	10.5	11.2	4.0	- 2.1
Textile mill products	4.5	4.4	4.8	2.0	- 6.5
Apparel and other textile products	16.7	16.7	17.1	- .2	- 2.6
Paper and allied products	34.8	34.9	38.1	- .3	- 8.6
Paper mills, except building paper	8.9	8.8	9.9	.4	- 10.7
Misc. converted paper products	11.1	11.3	11.7	- 1.2	- 5.2
Paperboard containers and boxes	11.5	11.5	12.9	.0	- 10.8
Printing and publishing	62.4	62.7	66.4	- .5	- 5.9
Newspapers	18.2	18.4	19.6	- .8	- 7.2
Commercial printing	22.7	22.8	25.3	- .4	- 10.1
Chemicals and allied products	67.3	66.9	68.6	.6	- 1.9
Industrial inorganic chemicals	12.9	12.7	12.9	1.2	- .4
Plastics materials and synthetics	9.3	9.2	9.8	1.4	- 5.5
Petroleum and coal products	13.6	13.6	14.5	.1	- 5.9
Rubber and misc. plastics products	79.7	80.3	89.0	- .8	- 10.5
Tires and inner tubes	21.6	21.3	24.4	1.2	- 11.5
Miscellaneous plastics products	39.0	39.7	43.7	- 1.7	- 10.7
Leather and leather products	5.3	5.3	5.5	.2	- 3.8

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]

AUGUST 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1982[b]	July 1982[c]	August 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$405.01	$407.82	$393.87	40.1	40.1	40.9	$10.10	$10.17	$ 9.63
Durable Goods[d]	415.76	419.60	406.72	39.9	40.0	41.0	10.42	10.49	9.92
Lumber and wood products	287.73	281.78	258.72	39.2	38.6	39.2	7.34	7.30	6.60
Furniture and fixtures	311.95	288.42	274.00	40.2	38.0	38.7	7.76	7.59	7.08
Household furniture	267.63	253.55	241.04	38.9	37.9	37.9	6.88	6.69	6.36
Stone, clay, and glass products	381.89	380.14	353.42	40.8	40.7	41.0	9.36	9.34	8.62
Glass and glassware, pressed or blown.	372.45	380.63	363.41	38.2	38.8	40.2	9.75	9.81	9.04
Structural clay products	293.23	282.21	276.76	41.3	40.9	40.7	7.10	6.90	6.80
Pottery and related products	300.51	287.79	277.02	37.8	36.2	38.0	7.95	7.95	7.29
Primary metal industries	492.72	488.71	485.48	39.8	39.7	40.9	12.38	12.31	11.87
Blast furnace and basic steel products	515.52	510.13	528.61	38.5	38.5	40.6	13.39	13.25	13.02
Iron and steel foundries	499.23	483.39	440.08	42.2	41.0	41.4	11.83	11.79	10.63
Nonferrous rolling and drawing	477.10	480.98	470.00	39.3	39.2	40.0	12.14	12.27	11.75
Nonferrous foundries	355.78	358.18	327.98	40.8	41.6	39.9	8.72	8.61	8.22
Fabricated metal products	402.16	405.73	388.24	39.7	39.7	40.4	10.13	10.22	9.61
Cutlery, hand tools, and hardware	381.21	392.16	386.86	37.3	38.0	39.8	10.22	10.32	9.72
Plumbing and heating, except electric.	343.66	333.23	316.72	38.7	37.4	37.0	8.88	8.91	8.56
Fabricated structural metal products .	382.08	364.95	341.82	39.8	39.2	39.2	9.60	9.31	8.72
Screw machine products, bolts, etc. ..	341.33	330.37	361.49	38.7	37.8	40.3	8.82	8.74	8.97
Metal forgings and stampings	471.11	497.67	470.91	40.3	41.3	41.6	11.69	12.05	11.32
Machinery, except electrical	392.42	390.04	393.18	39.4	39.2	41.3	9.96	9.95	9.52
Construction and related machinery	391.30	374.74	383.13	38.4	37.7	40.5	10.19	9.94	9.46
Metalworking machinery	375.67	373.38	384.87	38.1	38.1	40.9	9.86	9.80	9.41
Special industry machinery	377.06	384.81	377.92	40.5	41.2	42.8	9.31	9.34	8.83
General industrial machinery	389.44	380.85	385.12	39.1	38.2	40.2	9.96	9.97	9.58
Electric and electronic equipment	362.00	358.75	354.24	38.8	38.7	40.3	9.33	9.27	8.79
Electrical industrial apparatus	336.38	342.85	365.37	37.5	37.8	41.9	8.97	9.07	8.72
Household appliances	358.53	353.25	345.54	37.9	37.5	39.0	9.46	9.42	8.86
Electric lighting and wiring equipment	361.60	355.39	328.40	40.0	39.4	40.0	9.04	9.02	8.21
Communication equipment	407.51	397.79	403.79	38.3	39.7	39.9	10.64	10.02	10.12
Transportation equipment	505.82	528.24	498.38	41.7	42.6	43.3	12.13	12.40	11.51
Motor vehicles and equipment	528.36	558.14	532.36	41.9	43.3	44.4	12.61	12.89	11.99
Aircraft and parts	465.66	452.97	413.88	41.1	40.3	40.3	11.33	11.24	10.27
Instruments and related products	279.85	282.85	270.18	38.6	38.8	39.5	7.25	7.29	6.84
Measuring and controlling devices	270.07	271.94	275.31	37.2	37.1	39.9	7.26	7.33	6.90
Nondurable Goods[e]	379.89	379.22	360.45	40.5	40.3	40.5	9.38	9.41	8.90
Food and kindred products	387.71	385.02	361.84	41.6	40.7	41.4	9.32	9.46	8.74
Meat products	421.87	413.03	406.13	40.8	40.1	41.4	10.34	10.30	9.81
Dairy products	399.13	388.89	340.65	44.2	43.5	41.9	9.03	8.94	8.13
Bakery products	372.45	372.96	360.80	39.0	39.3	41.0	9.55	9.49	8.80
Beverages	348.77	324.26	320.00	39.1	37.4	39.9	8.92	8.67	8.02
Textile mill products	257.18	254.93	269.47	38.1	37.6	40.1	6.75	6.78	6.72
Apparel and other textile products	220.55	216.75	204.59	37.7	36.8	36.6	5.85	5.89	5.59
Paper and allied products	394.19	394.94	383.21	42.8	43.4	44.2	9.21	9.10	8.67
Paper mills, except building paper	491.04	511.24	475.71	46.5	49.3	48.1	10.56	10.37	9.89
Misc. converted paper products	350.24	347.75	329.43	41.4	41.3	41.7	8.46	8.42	7.90
Paperboard containers and boxes	355.01	353.56	345.02	40.9	41.4	42.7	8.68	8.54	8.08
Printing and publishing	350.85	351.50	351.16	36.7	37.0	37.8	9.56	9.50	9.29
Newspapers	308.07	305.66	323.57	30.9	31.0	33.6	9.97	9.86	9.63
Commercial printing	361.57	369.76	374.19	37.9	38.8	39.1	9.54	9.53	9.57
Chemicals and allied products	418.81	422.09	381.10	41.1	41.3	40.2	10.19	10.22	9.48
Industrial inorganic chemicals	443.56	447.62	435.55	41.3	41.6	41.6	10.74	10.76	10.47
Plastics materials and synthetics	464.09	464.28	393.41	43.7	43.8	39.9	10.62	10.60	9.86
Petroleum and coal products	580.80	563.76	527.54	44.1	43.2	43.1	13.17	13.05	12.24
Rubber and misc. plastics products	385.56	385.70	372.69	40.8	40.6	41.0	9.45	9.50	9.09
Tires and inner tubes	516.43	505.82	524.18	42.4	41.7	43.5	12.18	12.13	12.05
Miscellaneous plastics products	364.97	371.73	354.97	39.8	40.1	40.2	9.17	9.27	8.83
Leather and leather products	197.55	192.70	179.52	37.7	37.2	35.2	5.24	5.18	5.10

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
AUGUST 1982 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1982[b]	July 1982[c]	August 1981[c]	July 1982	August 1981
NONMANUFACTURING	3073.0	3075.9	3078.2	- .1	- .2
MINING	32.0	32.8	32.4	- 2.4	- 1.2
Bituminous coal and lignite mining	12.8	13.9	14.1	- 7.7	- 9.2
CONSTRUCTION	154.1	152.4	167.2	1.2	- 7.8
General building contractors	36.5	36.5	39.8	.1	- 8.2
Heavy construction contractors	26.1	25.4	28.4	2.4	- 8.4
TRANSPORTATION AND PUBLIC UTILITIES	214.8	215.0	220.7	- .1	- 2.7
Railroad transportation	24.0	24.0	26.8	.0	- 10.5
Transportation, except railroads	94.5	94.6	96.7	- .1	- 2.2
Trucking and warehousing	70.2	70.2	72.2	.0	- 2.7
Communication, electric, gas services	96.3	96.4	97.3	- .1	- 1.0
Communication	54.4	54.4	55.7	.0	- 2.4
Electric, gas, and sanitary services	41.9	42.0	41.6	- .2	.9
WHOLESALE TRADE	230.3	230.5	231.9	- .1	- .7
Wholesale trade-durable goods	148.0	148.2	149.7	- .1	- 1.1
Motor vehicles & automotive equipment	20.7	20.7	21.3	.2	- 2.5
Electrical goods	19.2	19.3	19.4	- .4	- .9
Machinery, equipment, and supplies	62.2	62.4	62.4	- .3	- .3
Wholesale trade-nondurable goods	82.2	82.3	82.3	- .1	.0
Groceries and related products	24.5	24.5	24.2	.2	1.5
RETAIL TRADE	709.5	707.4	719.5	.3	- 1.4
General merchandise stores	109.4	109.3	116.7	.1	- 6.2
Department stores	99.8	99.7	106.5	.1	- 6.3
Food stores	116.9	116.8	117.5	.1	- .5
Automotive dealers & service stations	70.7	70.7	73.8	.0	- 4.2
Apparel and accessory stores	34.6	34.1	34.8	1.4	- .7
FINANCE, INSURANCE, AND REAL ESTATE	208.3	208.6	207.3	- .1	.5
Banking	59.4	59.7	59.8	- .4	- .5
Credit agencies other than banks	30.9	30.9	30.4	.0	1.7
Insurance carriers	59.0	59.1	59.1	- .2	- .1
SERVICES	897.9	896.1	864.8	.2	3.8
Hotels and other lodging places	34.5	34.2	33.8	.9	1.9
Laundry, cleaning, & garment services	17.2	17.3	17.4	- .6	- 1.1
Business services	133.6	132.7	128.9	.7	3.6
Health services	318.1	316.9	301.2	.4	5.6
Hospitals	175.7	175.2	167.6	.3	4.9
GOVERNMENT	626.1	633.2	634.3	- 1.1	- 1.3
Federal government	89.8	90.2	90.0	- .4	- .2
State government	122.7	125.1	123.4	- 1.9	- .6
State government, except education	72.0	72.0	73.2	.0	- 1.6
State government education[i]	50.7	53.1	50.3	- 4.5	.8
Local government	413.5	417.9	420.9	- 1.1	- 1.7
Local government, except education	197.0	198.6	197.5	- .8	- .3
Local government education	216.6	219.3	223.4	- 1.3	- 3.1

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering educational programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
AUGUST 1982 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1982[b]	July 1982[c]	August 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
MINING	$430.96	$445.98	$437.47	41.8	42.8	43.4	$10.31	$10.42	$10.08
Bituminous coal and lignite mining	515.84	525.57	516.67	40.3	40.9	41.4	12.80	12.85	12.48
CONSTRUCTION	557.21	554.15	522.73	37.7	37.8	38.1	14.78	14.66	13.72
General building contractors	501.22	498.39	477.28	37.1	37.0	37.2	13.51	13.47	12.83
Heavy construction contractors	588.16	593.60	530.92	39.5	40.0	40.1	14.89	14.84	13.24
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Railroad transportation	......	......	......	....	....	....	....	....	....
Transportation, except railroads	......	......	......	....	....	....	....	....	....
Trucking and warehousing	453.33	453.70	451.06	36.5	36.5	38.0	12.42	12.43	11.87
Communication, electric, gas services	422.80	419.85	414.73	40.0	40.1	40.3	10.57	10.47	10.14
Communication	410.15	404.00	418.40	39.4	39.3	40.7	10.41	10.28	10.28
Electric, gas, and sanitary services	439.82	440.18	409.36	40.8	41.1	41.1	10.78	10.71	9.96
WHOLESALE TRADE	309.57	313.17	300.29	38.6	39.0	39.1	8.02	8.03	7.68
Wholesale trade-durable goods	304.20	305.37	297.00	38.9	39.1	39.6	7.82	7.81	7.50
Motor vehicles & automotive equipment	268.71	259.01	277.14	39.4	38.6	39.2	6.82	6.71	7.07
Electrical goods	246.52	252.89	247.13	36.2	37.3	37.5	6.81	6.78	6.59
Machinery, equipment, and supplies	330.33	333.66	308.50	39.0	39.3	39.4	8.47	8.49	7.83
Wholesale trade-nondurable goods	320.04	328.71	306.02	38.1	38.9	38.3	8.40	8.45	7.99
Groceries and related products	352.29	361.05	347.32	40.4	41.5	41.2	8.72	8.70	8.43
RETAIL TRADE[f]	154.88	155.70	151.17	29.5	29.6	29.7	5.25	5.26	5.09
General merchandise stores	160.04	159.52	154.13	30.6	30.5	30.4	5.23	5.23	5.07
Department stores	162.93	161.87	156.16	30.8	30.6	30.5	5.29	5.29	5.12
Food stores	224.82	227.29	231.04	31.4	31.7	33.1	7.16	7.17	6.98
Automotive dealers & service stations	198.52	199.09	199.28	36.9	36.8	37.6	5.38	5.41	5.30
Apparel and accessory stores	113.13	114.11	110.84	27.0	27.3	27.1	4.19	4.18	4.09
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	203.74	203.36	186.56	....	....	....	....	....	....
Credit agencies other than banks	203.12	201.59	193.74	....	....	....	....	....	....
Insurance carriers	275.50	275.04	254.22	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
Hotels and other lodging places	......	......	......	....	....	....	....	....	....
Laundry, cleaning, & garment services	......	......	......	....	....	....	....	....	....
Business services	......	......	......	....	....	....	....	....	....
Health services	......	......	......	....	....	....	....	....	....
Hospitals	267.10	268.57	242.76	34.2	34.3	34.0	7.81	7.83	7.14
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes miscellaneous manufacturing. [e] Includes tobacco manufactures. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
AUGUST 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1982[b]	July 1982[c]	August 1981[c]	July 1982	August 1981
TOTAL	251.3	251.0	257.3	.1	- 2.3
MANUFACTURING	69.2	69.4	75.5	- .3	- 8.4
Durable Goods[e]	34.2	34.3	37.5	- .2	- 8.8
Stone, clay, and glass products	1.5	1.5	1.9	.3	- 21.4
Fabricated metal products	12.8	13.0	14.4	- 1.7	- 11.3
Machinery, except electrical	9.3	9.2	10.5	.9	- 11.5
Special industry machinery	1.7	1.8	2.1	- 7.0	- 20.2
Nondurable Goods[f]	34.9	35.1	38.0	- .4	- 8.0
Food and kindred products	2.8	2.7	3.0	1.8	- 7.9
Chemicals and allied products	3.6	3.7	3.6	- .7	1.5
Rubber and misc. plastics products	23.6	23.7	26.2	- .3	- 9.8
Tires and inner tubes	17.6	17.7	20.0	- .4	- 12.1
NONMANUFACTURING[g]	182.2	181.7	181.8	.3	.2
CONSTRUCTION	8.0	7.9	8.6	1.0	- 7.2
TRANSPORTATION AND PUBLIC UTILITIES	13.7	13.6	13.9	.0	- 1.8
Communication, electric, gas services	5.6	5.6	5.5	- .2	1.2
WHOLESALE TRADE	12.4	12.4	12.1	.5	3.2
RETAIL TRADE	45.9	45.7	45.8	.5	.3
FINANCE, INSURANCE, AND REAL ESTATE	9.3	9.3	9.3	- .2	.0
SERVICES	55.2	55.0	53.9	.3	2.4
GOVERNMENT	37.0	37.0	37.6	.1	- 1.6
State government (includes education)	9.8	9.7	9.6	.6	1.1
Local government (includes education)	25.2	25.2	25.8	- .1	- 2.6

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
AUGUST 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1982[b]	July 1982[c]	August 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$401.47	$396.88	$400.32	40.8	41.0	41.7	$ 9.84	$ 9.68	$ 9.60
Durable Goods[d]	392.93	386.92	373.93	40.3	40.6	40.6	9.75	9.53	9.21
Stone, clay, and glass products	385.53	375.00	366.33	42.6	41.3	41.3	9.05	9.08	8.87
Fabricated metal products	392.89	393.29	364.03	38.9	39.8	38.4	10.10	9.88	9.48
Machinery, except electrical	383.87	367.61	381.89	41.1	40.8	43.2	9.34	9.01	8.84
Special industry machinery	344.08	343.42	365.43	39.1	38.5	43.4	8.80	8.92	8.42
Nondurable Goods[e]	412.76	409.61	432.29	41.4	41.5	43.1	9.97	9.87	10.03
Food and kindred products	437.47	436.95	389.42	45.1	45.0	45.6	9.70	9.71	8.54
Chemicals and allied products	432.90	434.10	438.50	42.4	41.7	45.3	10.21	10.41	9.68
Rubber and misc. plastics products	427.01	426.96	459.80	41.7	41.9	43.5	10.24	10.19	10.57
Tires and inner tubes	546.08	538.45	560.33	43.1	42.7	44.4	12.67	12.61	12.62
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	520.86	516.00	531.19	36.5	36.7	39.7	14.27	14.06	13.38
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services ..	420.55	422.01	416.16	39.6	39.7	40.8	10.62	10.63	10.20
WHOLESALE TRADE	290.12	284.47	274.05	39.1	39.4	37.8	7.42	7.22	7.25
RETAIL TRADE[f]	171.84	170.37	168.17	30.2	30.1	30.8	5.69	5.66	5.46
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education) ..	......	......	......	....	....	....	....	....	....
Local government (includes education) ..	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Date relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
AUGUST 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1982[b]	July 1982[c]	August 1981[c]	July 1982	August 1981
TOTAL	153.7	155.0	158.7	- .9	- 3.2
MANUFACTURING	50.6	51.7	56.4	- 2.0	- 10.2
Durable Goods[e]	38.6	39.7	44.1	- 2.7	- 12.3
Stone, clay, and glass products	2.0	2.0	2.2	.4	- 6.6
Primary metal industries	11.9	11.7	15.0	2.3	- 20.4
Fabricated metal products	9.2	9.3	10.0	- 1.1	- 7.6
Fabricated structural metal products	3.5	3.4	3.3	2.5	5.2
Metal forgings and stampings	2.3	2.5	3.0	- 5.3	- 22.1
Nondurable Goods[f]	12.0	12.0	12.3	.1	- 2.7
Food and kindred products	4.2	4.3	4.4	- .6	- 2.7
Rubber and misc. plastics products	3.2	3.2	3.2	- .3	- .9
NONMANUFACTURING[g]	103.1	103.4	102.3	- .3	.7
CONSTRUCTION	5.4	5.8	5.8	- 7.2	- 6.8
TRANSPORTATION AND PUBLIC UTILITIES	7.0	7.0	7.1	.4	- .5
Communication, electric, gas services	3.0	3.0	3.0	- .1	- .1
WHOLESALE TRADE	7.4	7.3	7.3	.3	.1
RETAIL TRADE	26.3	26.2	26.3	.3	.0
FINANCE, INSURANCE, AND REAL ESTATE	6.5	6.5	6.4	.0	2.5
SERVICES	31.0	31.0	30.1	.1	3.0
GOVERNMENT	18.1	18.1	18.0	- .4	.4
Local government (includes education)	15.1	15.2	14.9	- .5	1.3

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
AUGUST 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1982[b]	July 1982[c]	August 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$398.58	$391.79	$387.29	39.0	38.6	39.6	$10.22	$10.15	$ 9.78
Durable Goods[d]	403.76	395.75	393.03	38.6	38.2	39.5	10.46	10.36	9.95
Stone, clay, and glass products	252.06	256.23	259.43	38.6	39.0	40.6	6.53	6.57	6.39
Primary metal industries	459.54	444.68	452.80	37.3	36.3	38.9	12.32	12.25	11.64
Fabricated metal products	437.78	424.39	407.23	40.8	39.7	40.4	10.73	10.69	10.08
Fabricated structural metal products	430.10	413.00	366.20	42.5	41.3	41.1	10.12	10.00	8.91
Metal forgings and stampings	515.30	477.87	495.87	40.8	38.6	41.6	12.63	12.38	11.92
Nondurable Goods[e]	375.74	377.48	360.87	40.1	40.2	39.7	9.37	9.39	9.09
Food and kindred products	408.38	410.18	397.55	37.5	37.7	38.3	10.89	10.88	10.38
Rubber and misc. plastics products	408.32	405.17	384.79	46.4	46.2	44.9	8.80	8.77	8.57
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	536.51	540.96	544.96	36.3	36.7	40.1	14.78	14.74	13.59
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	443.90	436.81	435.14	40.8	40.9	41.6	10.88	10.68	10.46
WHOLESALE TRADE	293.73	294.52	282.80	37.9	38.2	38.9	7.75	7.71	7.27
RETAIL TRADE[f]	151.77	152.28	144.85	29.7	29.8	29.5	5.11	5.11	4.91
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
AUGUST 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1982[b]	July 1982[c]	August 1981[c]	July 1982	August 1981
TOTAL	581.6	581.7	589.2	.0	- 1.3
MANUFACTURING	149.9	149.3	158.3	.4	- 5.3
Durable Goods[e]	82.4	82.5	88.2	- .1	- 6.5
Furniture and fixtures	2.2	2.2	2.5	.5	- 10.4
Primary metal industries	2.2	2.3	2.6	- 2.2	- 14.0
Fabricated metal products	12.7	12.6	14.7	.4	- 13.5
Fabricated structural metal products	4.3	4.4	4.7	- 2.3	- 8.6
Machinery, except electrical	23.3	22.7	25.5	3.0	- 8.7
Metalworking machinery	12.1	11.3	13.5	7.2	- 10.3
General industrial machinery	3.3	3.4	3.8	- 2.9	- 13.4
Electric and electronic equipment	8.1	8.0	8.9	.7	- 8.6
Transportation equipment	22.8	23.9	23.2	- 4.4	- 1.6
Motor vehicles and equipment	8.0	9.0	7.1	- 11.7	12.6
Nondurable Goods[f]	67.5	66.8	70.2	1.0	- 3.8
Food and kindred products	16.2	15.8	17.0	2.0	- 4.8
Meat products	2.2	2.3	2.6	- 2.4	- 14.7
Bakery products	2.5	2.5	2.4	- .1	1.4
Beverages	4.9	4.5	5.0	9.1	- 2.8
Apparel and other textile products	4.1	3.9	4.0	5.7	3.3
Paper and allied products	5.9	5.9	6.4	- .9	- 8.5
Printing and publishing	11.4	11.5	11.8	- .6	- 3.4
Chemicals and allied products	22.3	22.1	22.4	.9	- .6
Rubber and misc. plastics products	3.9	3.8	4.4	1.1	- 11.2
NONMANUFACTURING[g]	431.7	432.4	430.9	- .1	.2
CONSTRUCTION	22.2	21.5	23.7	3.3	- 6.4
TRANSPORTATION AND PUBLIC UTILITIES	32.7	32.8	33.3	- .2	- 1.6
Communication, electric, gas services	14.5	14.5	14.4	.1	.8
WHOLESALE TRADE	37.5	37.6	38.0	- .4	- 1.2
RETAIL TRADE	100.1	100.0	101.5	.1	- 1.4
FINANCE, INSURANCE, AND REAL ESTATE	32.5	32.5	32.8	- .1	- 1.0
Banking	7.4	7.5	7.6	- .4	- 1.6
Insurance carriers	11.3	11.3	11.4	.3	- .3
SERVICES	131.1	130.7	126.2	.3	3.9
GOVERNMENT	75.3	76.9	75.2	- 2.1	.1
Federal government	12.8	13.0	12.9	- 1.5	- .3
State government (includes education)	16.4	16.5	16.4	- .3	- .2
Local government	46.0	47.4	45.9	- 2.9	.3
Local government, except education	22.5	23.0	22.5	- 1.9	.1
Local government education	23.5	24.4	23.4	- 3.7	.4

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
AUGUST 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1982[b]	July 1982[c]	August 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$331.53	$339.46	$357.28	40.7	40.4	40.6	$ 9.62	$ 9.64	$ 8.80
Durable Goods[d]	380.29	382.96	350.02	40.2	40.1	40.7	9.46	9.55	8.60
Furniture and fixtures	263.52	255.60	251.46	36.6	35.5	37.7	7.20	7.20	6.67
Primary metal industries	328.79	332.05	339.56	34.5	35.1	36.2	9.53	9.46	9.38
Fabricated metal products	374.22	355.12	346.51	42.0	40.4	41.3	8.91	8.79	8.39
Fabricated structural metal products	355.71	342.36	315.44	42.6	41.7	42.8	8.35	8.21	7.37
Machinery, except electrical	329.18	331.68	324.30	38.1	38.3	39.5	8.64	8.66	8.21
Metalworking machinery	341.89	373.65	350.95	35.8	38.6	39.3	9.55	9.68	8.93
General industrial machinery	315.47	306.45	340.31	38.1	36.7	41.4	8.28	8.35	8.22
Electric and electronic equipment	278.89	287.34	265.28	38.1	39.2	39.3	7.32	7.33	6.75
Transportation equipment	551.17	552.44	489.77	42.3	42.3	43.0	13.03	13.06	11.39
Motor vehicles and equipment	652.62	653.05	607.67	44.7	45.1	47.4	14.60	14.48	12.82
Nondurable Goods[e]	401.96	397.39	366.12	41.1	40.8	40.5	9.78	9.74	9.04
Food and kindred products	459.73	457.29	414.92	42.1	41.8	41.0	10.92	10.94	10.12
Meat products	491.95	454.02	435.01	44.4	42.0	41.0	11.08	10.81	10.61
Bakery products	333.80	386.63	390.63	40.7	41.0	43.5	9.43	9.43	8.98
Beverages	444.27	428.56	370.80	43.9	42.6	39.7	10.12	10.06	9.34
Apparel and other textile products	231.49	219.84	208.05	40.9	38.3	38.6	5.66	5.74	5.39
Paper and allied products	362.46	349.87	330.30	42.0	41.8	41.6	8.63	8.37	7.94
Printing and publishing	376.49	361.92	364.10	38.3	37.7	38.9	9.83	9.60	9.36
Chemicals and allied products	448.93	448.69	399.27	41.3	41.7	40.7	10.87	10.76	9.81
Rubber and misc. plastics products	327.78	326.23	329.51	43.3	41.4	43.3	7.57	7.88	7.61
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	556.52	560.50	537.81	37.3	38.0	39.0	14.92	14.75	13.79
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	407.51	393.67	384.35	38.7	38.9	39.3	10.53	10.12	9.78
WHOLESALE TRADE	310.66	317.54	295.57	38.4	39.3	39.2	8.09	8.08	7.54
RETAIL TRADE[f]	157.17	157.59	153.31	30.4	30.6	30.6	5.17	5.15	5.01
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	201.23	199.94	191.33	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
AUGUST 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1982[b]	July 1982[c]	August 1981[c]	July 1982	August 1981
TOTAL	857.6	861.6	884.3	- .5	- 3.0
MANUFACTURING	226.5	228.9	247.8	- 1.1	- 8.6
Durable Goods[e]	160.1	162.8	179.9	- 1.6	- 11.0
Furniture and fixtures	2.2	2.1	2.2	4.9	2.6
Primary metal industries	26.6	27.0	30.0	- 1.5	- 11.4
Blast furnace and basic steel products	14.0	14.2	15.9	- 1.3	- 11.9
Iron and steel foundries	6.6	6.6	7.0	- .1	- 5.6
Nonferrous foundries	2.6	2.8	3.0	- 7.2	- 13.3
Fabricated metal products	35.0	35.6	39.3	- 1.5	- 10.8
Fabricated structural metal products	4.2	4.2	4.6	.0	- 9.9
Screw machine products, bolts, etc.	5.5	5.5	5.8	- .3	- 5.7
Metal forgings and stampings	11.8	12.4	13.5	- 5.3	- 12.7
Machinery, except electrical	38.1	38.3	45.1	- .7	- 15.5
Construction and related machinery	5.5	5.5	7.7	- .1	- 27.9
Metalworking machinery	13.8	13.9	16.1	- .7	- 14.4
Special industry machinery	4.3	4.3	4.6	.6	- 7.4
General industrial machinery	3.0	3.1	3.6	- 2.1	- 17.2
Electric and electronic equipment	24.1	24.2	24.7	- .4	- 2.6
Electrical industrial apparatus	8.2	8.2	9.1	- .7	- 9.9
Transportation equipment	19.2	20.6	22.7	- 6.7	- 15.2
Motor vehicles and equipment	12.4	13.7	15.2	- 8.9	- 18.0
Instruments and related products	6.3	6.3	6.8	.4	- 6.1
Nondurable Goods[f]	66.3	66.2	67.9	.2	- 2.3
Food and kindred products	8.2	8.2	8.5	.2	- 3.6
Bakery products	1.8	1.8	1.8	.4	- .2
Beverages	1.6	1.6	1.6	.6	- 1.7
Apparel and other textile products	5.1	5.2	5.5	- 1.6	- 6.2
Paper and allied products	4.8	4.8	5.1	- .2	- 4.6
Printing and publishing	14.9	14.8	15.5	.4	- 3.7
Chemicals and allied products	15.7	15.7	16.4	- .1	- 4.1
Industrial inorganic chemicals	4.0	4.0	4.2	.4	- 5.3
Rubber and misc. plastics products	10.9	10.8	10.6	1.1	2.4
NONMANUFACTURING[g]	631.2	632.7	636.5	- .2	- .8
CONSTRUCTION	27.3	27.5	29.3	- .7	- 6.8
TRANSPORTATION AND PUBLIC UTILITIES	44.6	44.7	45.8	- .3	- 2.6
Communication, electric, gas services	20.1	20.1	20.1	.2	.1
WHOLESALE TRADE	61.1	61.3	62.4	- .3	- 2.1
RETAIL TRADE	134.4	134.5	137.1	- .1	- 2.0
FINANCE, INSURANCE, AND REAL ESTATE	48.4	48.3	48.5	.0	- .4
Banking	13.6	13.6	13.9	- .1	- 2.1
Insurance carriers	11.8	11.8	12.0	.0	- 1.6
SERVICES	197.5	197.3	192.3	.1	2.7
GOVERNMENT	116.7	117.9	119.8	- 1.1	- 2.6
Federal government	19.3	19.4	19.7	- .5	- 1.9
State government (includes education)	7.1	7.2	7.4	- 1.9	- 4.5
Local government	90.2	91.2	92.7	- 1.1	- 2.7
Local government, except education	50.5	50.8	50.6	- .7	- .1
Local government education	39.7	40.4	42.1	- 1.7	- 5.7

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
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Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]

AUGUST 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1982[b]	July 1982[c]	August 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$409.05	$408.80	$399.49	40.3	40.0	41.1	$10.15	$10.22	$ 9.72
Durable Goods[d]	430.26	431.35	420.16	40.4	40.2	41.6	10.65	10.73	10.10
Furniture and fixtures	327.44	282.72	317.12	41.5	37.2	43.5	7.89	7.60	7.29
Primary metal industries	521.56	505.85	492.90	41.1	40.5	42.2	12.69	12.49	11.68
Blast furnace and basic steel products	506.47	491.95	544.32	37.6	37.1	42.0	13.47	13.26	12.96
Iron and steel foundries	676.32	652.86	542.50	48.0	46.5	43.4	14.09	14.04	12.50
Nonferrous foundries	339.00	339.73	294.26	39.1	40.3	36.6	8.67	8.43	8.04
Fabricated metal products	414.32	438.05	403.91	40.5	41.6	41.3	10.23	10.53	9.78
Fabricated structural metal products	349.29	362.06	333.73	40.9	42.1	41.1	8.54	8.60	8.12
Screw machine products, bolts, etc.	949.30	343.14	377.31	38.3	38.0	41.6	9.12	9.03	9.07
Metal forgings and stampings	517.07	567.53	491.82	41.8	44.2	42.0	12.37	12.84	11.71
Machinery, except electrical	404.69	397.32	425.94	39.1	38.5	41.8	10.35	10.32	10.19
Construction and related machinery	436.85	398.13	438.69	38.9	35.9	39.7	11.23	11.09	11.05
Metalworking machinery	379.51	379.76	418.06	37.8	37.9	42.4	10.04	10.02	9.86
Special industry machinery	425.02	421.50	395.58	39.1	39.1	39.4	10.87	10.78	10.04
General industrial machinery	385.32	383.17	406.85	39.0	38.9	41.9	9.88	9.85	9.71
Electric and electronic equipment	346.37	335.79	366.72	38.7	37.9	42.2	8.95	8.86	8.69
Electrical industrial apparatus	334.65	327.52	407.16	36.1	35.6	43.5	9.27	9.20	9.36
Transportation equipment	532.88	532.95	464.62	43.5	42.5	40.9	12.25	12.54	11.36
Motor vehicles and equipment	567.60	563.21	471.98	44.0	42.7	40.1	12.90	13.19	11.77
Instruments and related products	321.59	322.80	299.39	40.3	40.4	40.9	7.98	7.99	7.32
Nondurable Goods[e]	347.85	348.17	334.62	39.8	39.7	39.6	8.74	8.77	8.45
Food and kindred products	386.48	384.30	341.50	42.8	42.7	40.8	9.03	9.00	8.37
Bakery products	393.60	397.44	348.17	41.0	41.4	38.6	9.60	9.60	9.02
Beverages	318.80	309.66	298.26	40.0	39.0	39.4	7.97	7.94	7.57
Apparel and other textile products	241.63	246.79	230.21	36.5	37.0	36.6	6.62	6.67	6.29
Paper and allied products	365.16	361.30	351.53	40.8	40.1	42.2	8.95	9.01	8.33
Printing and publishing	354.40	358.54	355.72	36.2	36.4	36.9	9.79	9.85	9.64
Chemicals and allied products	414.88	416.97	391.55	41.2	41.0	41.0	10.07	10.17	9.55
Industrial inorganic chemicals	405.27	410.17	406.13	39.5	39.9	39.7	10.26	10.28	10.23
Rubber and misc. plastics products	311.22	305.62	297.86	42.0	41.3	41.6	7.41	7.40	7.16
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	644.67	618.22	565.86	39.0	37.4	37.4	16.53	16.53	15.13
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	448.08	445.68	450.17	39.9	39.9	41.3	11.23	11.17	10.90
WHOLESALE TRADE	334.38	332.81	319.51	39.2	39.2	39.3	8.53	8.49	8.13
RETAIL TRADE[f]	166.73	171.37	157.51	29.2	29.7	28.9	5.71	5.77	5.45
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	233.09	233.77	215.04	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]

AUGUST 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1982[b]	July 1982[c]	August 1981[c]	July 1982	August 1981
TOTAL	502.8	501.6	504.6	.2	- .4
MANUFACTURING	88.1	88.3	92.7	- .2	- 5.0
Durable Goods[e]	55.2	55.4	59.1	- .3	- 6.5
Stone, clay, and glass products	8.9	9.1	9.8	- 2.1	- 9.0
Fabricated metal products	8.9	8.9	11.0	- .5	- 19.3
Machinery, except electrical	10.6	10.6	11.9	- .1	- 11.1
Electric and electronic equipment	11.5	11.6	11.8	- .6	- 2.1
Transportation equipment	6.7	6.5	5.6	3.1	18.6
Nondurable Goods[f]	32.9	32.9	33.6	- .1	- 2.2
Food and kindred products	10.9	10.9	10.6	- .5	2.9
Printing and publishing	8.4	8.4	8.5	.0	- 1.5
Chemicals and allied products	6.0	6.0	5.9	- .1	1.8
Rubber and misc. plastics products	2.6	2.7	3.2	- .4	- 18.2
NONMANUFACTURING[g]	414.6	413.3	411.9	.3	.7
CONSTRUCTION	18.1	17.7	19.5	2.4	- 7.0
TRANSPORTATION AND PUBLIC UTILITIES	23.7	23.7	24.6	.3	- 3.4
Communication, electric, gas services	11.3	11.3	11.6	.0	- 2.5
WHOLESALE TRADE	27.7	27.7	27.4	.2	1.2
RETAIL TRADE	93.4	92.5	92.6	.9	.9
FINANCE, INSURANCE, AND REAL ESTATE	41.5	41.6	39.8	- .1	4.3
Banking	8.2	8.2	7.9	- .2	4.1
Insurance carriers	18.0	18.0	17.3	- .2	3.7
SERVICES	113.9	113.6	109.7	.3	3.8
GOVERNMENT	95.4	95.7	97.5	- .3	- 2.2
Federal government	11.3	11.5	11.5	- 1.7	- 1.9
State government	44.1	44.2	45.1	- .3	- 2.2
State government, except education	28.9	28.9	29.3	.1	- 1.4
State government education[i]	15.2	15.3	15.8	- 1.0	- 3.7
Local government	40.0	40.0	40.9	.0	- 2.2
Local government, except education	19.4	19.6	19.8	- 1.0	- 2.1
Local government education	20.6	20.3	21.0	1.1	- 2.3

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering education programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
AUGUST 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1982[b]	July 1982[c]	August 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$373.97	$369.18	$351.88	39.7	39.4	40.4	$ 9.42	$ 9.37	$ 8.71
Durable Goods[d]	387.87	381.79	365.72	39.7	39.4	40.5	9.77	9.69	9.03
Stone, clay, and glass products	347.79	358.02	346.04	38.6	39.0	41.0	9.01	9.18	8.44
Fabricated metal products	438.01	442.91	398.34	38.9	39.3	38.9	11.26	11.27	10.24
Machinery, except electrical	373.11	362.69	356.15	40.6	39.9	41.9	9.19	9.09	8.50
Electric and electronic equipment	385.52	378.28	368.96	40.2	40.2	40.5	9.59	9.41	9.11
Transportation equipment	480.22	465.78	397.99	42.8	42.0	41.5	11.22	11.09	9.59
Nondurable Goods[e]	347.85	344.36	322.40	39.8	39.4	40.0	8.74	8.74	8.06
Food and kindred products	346.45	345.63	319.76	41.0	41.0	41.1	8.45	8.43	7.78
Printing and publishing	398.11	395.39	360.79	37.7	37.8	37.7	10.56	10.46	9.57
Chemicals and allied products	385.82	391.68	359.31	40.4	41.1	40.6	9.55	9.53	8.85
Rubber and misc. plastics products	324.10	302.25	284.86	42.2	39.0	39.4	7.68	7.75	7.23
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	498.18	493.01	468.55	38.0	38.1	38.5	13.11	12.94	12.17
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	426.60	428.47	440.18	39.5	39.6	41.1	10.80	10.82	10.71
WHOLESALE TRADE	298.38	304.20	290.60	38.7	39.1	39.7	7.71	7.78	7.32
RETAIL TRADE[f]	154.28	153.99	143.18	29.0	29.0	29.4	5.32	5.31	4.87
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	227.74	225.02	179.29	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
AUGUST 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1982[b]	July 1982[c]	August 1981[c]	July 1982	August 1981
TOTAL	341.4	342.7	348.7	- .4	- 2.1
MANUFACTURING	88.9	90.6	97.1	- 1.9	- 8.5
Durable Goods[e]	61.5	62.9	66.4	- 2.3	- 7.4
Stone, clay, and glass products	2.0	2.0	2.3	- .5	- 10.7
Fabricated metal products	6.7	6.9	6.9	- 2.4	- 3.3
Machinery, except electrical	29.2	29.6	31.2	- 1.5	- 6.5
Metalworking machinery	6.2	6.3	7.1	- 1.2	- 12.6
Electric and electronic equipment	4.7	4.9	5.4	- 3.7	- 13.0
Electrical industrial apparatus	2.7	2.8	3.3	- 2.5	- 16.3
Transportation equipment	12.8	13.4	14.0	- 4.4	- 8.3
Nondurable Goods[f]	27.4	27.7	30.7	- 1.0	- 10.9
Food and kindred products	3.3	3.2	3.0	1.9	7.4
Paper and allied products	5.1	5.2	6.1	- .4	- 15.0
Printing and publishing	7.6	7.6	9.3	.2	- 18.4
Rubber and misc. plastics products	7.6	7.9	8.7	- 3.7	- 11.8
NONMANUFACTURING[g]	252.5	252.1	251.5	.2	.4
CONSTRUCTION	11.5	11.5	12.7	.7	- 9.2
TRANSPORTATION AND PUBLIC UTILITIES	13.3	13.2	13.5	.5	- 1.7
Communication, electric, gas services	6.5	6.5	6.8	- .3	- 4.5
WHOLESALE TRADE	16.6	16.7	16.6	- .3	.2
RETAIL TRADE	55.6	55.3	56.4	.6	- 1.4
FINANCE, INSURANCE, AND REAL ESTATE	14.2	14.2	13.7	- .1	3.2
SERVICES	77.0	76.5	73.7	.6	4.4
GOVERNMENT	63.9	64.3	64.4	- .7	- .8
Federal government	26.6	26.5	26.3	.1	1.0
State government (includes education)	5.7	5.9	5.2	- 4.0	8.2
Local government	31.7	31.9	32.9	- .8	- 3.7
Local government, except education	13.0	13.1	14.1	- .6	- 7.9
Local government education	18.7	18.8	18.8	- .9	- .6

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
AUGUST 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1982[b]	July 1982[c]	August 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$406.02	$422.51	$412.72	40.4	41.1	41.9	$10.05	$10.28	$ 9.85
Durable Goods[d]	407.62	427.04	416.44	40.6	41.3	42.8	10.04	10.34	9.73
Stone, clay, and glass products	423.33	392.24	360.06	41.1	39.7	38.8	10.30	9.88	9.28
Fabricated metal products	331.17	323.75	320.12	39.9	39.1	42.4	8.30	8.28	7.55
Machinery, except electrical	429.11	432.22	420.89	41.3	41.4	42.6	10.39	10.44	9.88
Metalworking machinery	400.36	390.00	390.16	39.6	39.0	41.2	10.11	10.00	9.47
Electric and electronic equipment	303.60	305.12	294.35	40.0	40.2	41.4	7.59	7.59	7.11
Electrical industrial apparatus	321.60	322.79	317.37	40.0	39.9	42.6	8.04	8.09	7.45
Transportation equipment	493.16	576.84	575.82	39.9	44.0	45.7	12.36	13.11	12.60
Nondurable Goods[e]	403.20	412.09	405.22	40.0	40.6	40.2	10.08	10.15	10.08
Food and kindred products	378.62	376.87	367.61	37.9	37.8	38.9	9.99	9.97	9.45
Paper and allied products	367.22	350.70	348.19	42.8	41.8	41.5	8.58	8.39	8.39
Printing and publishing	393.60	403.52	419.05	38.4	38.8	40.1	10.25	10.40	10.45
Rubber and misc. plastics products	484.41	511.77	505.26	40.2	42.4	40.1	12.05	12.07	12.60
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	549.41	541.95	511.03	39.3	39.3	39.8	13.98	13.79	12.84
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	418.57	418.44	409.46	39.6	39.7	40.5	10.57	10.54	10.11
WHOLESALE TRADE	308.58	308.80	284.95	41.7	41.9	41.0	7.40	7.37	6.95
RETAIL TRADE[f]	149.43	151.04	147.70	29.3	29.5	29.6	5.10	5.12	4.99
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
AUGUST 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1982[b]	July 1982[c]	August 1981[c]	July 1982	August 1981
TOTAL	281.6	280.2	287.6	.5	- 2.1
MANUFACTURING	69.2	67.2	74.9	3.0	- 7.6
Durable Goods[e]	53.1	52.0	57.7	2.1	- 8.0
Stone, clay, and glass products	12.3	12.3	13.0	- .1	- 5.8
Primary metal industries	4.1	3.9	4.5	4.9	- 10.2
Fabricated metal products	6.9	6.9	8.1	- .9	- 15.5
Metal forgings and stampings	3.2	3.3	3.9	- 1.1	- 16.1
Machinery, except electrical	6.1	6.0	7.1	.9	- 14.3
General industrial machinery	1.9	1.9	2.2	.5	- 14.0
Transportation equipment	16.5	15.6	16.2	5.4	1.5
Motor vehicles and equipment	15.1	14.2	15.1	5.9	- .1
Nondurable Goods[f]	16.1	15.2	17.2	5.9	- 6.2
Food and kindred products	4.6	3.8	4.6	22.5	1.9
Petroleum and coal products	1.7	1.7	2.0	- .9	- 13.5
Rubber and misc. plastics products	2.9	2.9	3.3	.7	- 10.5
NONMANUFACTURING[g]	212.3	212.9	212.7	- .3	- .1
CONSTRUCTION	9.9[h]	9.7[h]	12.6	2.8	- 21.3
TRANSPORTATION AND PUBLIC UTILITIES	19.1	19.0	19.4	.5	- 1.6
Communication, electric, gas services	7.9	7.8	7.8	.3	1.3
WHOLESALE TRADE	14.2	14.3	14.7	- .6	- 2.9
RETAIL TRADE	51.1	50.9	51.4	.4	- .4
FINANCE, INSURANCE, AND REAL ESTATE	10.8	10.8	10.6	- .2	1.8
SERVICES	67.3	67.0	64.5	.4	4.4
GOVERNMENT	39.3	40.7	39.0	- 3.3	.7
State government (includes education)	11.2	12.8	10.8	- 12.3	3.4
Local government	25.3	25.1	25.4	1.0	- .3
Local government, except education	11.7	11.3	11.5	3.3	2.3
Local government education	13.6	13.7	13.9	- .9	- 2.5

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
AUGUST 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1982[b]	July 1982[c]	August 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$455.94	$462.91	$399.78	41.6	41.8	40.3	$10.96	$11.06	$ 9.92
Durable Goods[d]	475.07	482.58	408.22	41.6	42.0	40.1	11.42	11.49	10.18
Stone, clay, and glass products	488.94	484.18	409.60	43.5	43.0	40.0	11.24	11.26	10.24
Primary metal industries	404.09	421.88	386.88	40.9	42.4	41.6	9.88	9.95	9.30
Fabricated metal products	432.04	449.08	379.29	39.6	40.9	39.8	10.91	10.98	9.53
Metal forgings and stampings	468.86	528.24	423.74	39.4	42.6	39.9	11.90	12.40	10.62
Machinery, except electrical	423.20	424.66	410.47	40.0	40.1	40.6	10.58	10.59	10.11
General industrial machinery	488.99	481.03	455.80	41.3	40.8	41.1	11.84	11.79	11.09
Transportation equipment	553.74	574.62	480.38	42.4	43.4	40.3	13.06	13.24	11.92
Motor vehicles and equipment	552.86	574.62	479.99	42.3	43.4	40.2	13.07	13.24	11.94
Nondurable Goods[e]	394.48	394.83	368.51	41.7	41.3	40.9	9.46	9.56	9.01
Food and kindred products	392.81	429.78	380.98	43.5	43.9	43.0	9.03	9.79	8.86
Petroleum and coal products	630.64	603.94	590.50	44.6	43.2	44.1	14.14	13.98	13.39
Rubber and misc. plastics products	329.28	333.66	295.60	39.2	40.2	37.8	8.40	8.30	7.82
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	601.38	581.67	579.42	39.0	37.6	37.6	15.42	15.47	15.41
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	457.88	465.68	440.18	40.2	40.6	41.1	11.39	11.47	10.71
WHOLESALE TRADE	325.56	327.37	309.70	37.9	38.2	38.0	8.59	8.57	8.15
RETAIL TRADE[f]	158.71	160.68	157.47	29.5	29.7	29.6	5.38	5.41	5.32
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
AUGUST 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1982[b]	July 1982[c]	August 1981[c]	July 1982	August 1981
TOTAL	183.7	187.5	197.5	- 2.0	- 7.0
MANUFACTURING	52.8	56.8	66.7	- 7.0	- 20.9
Durable Goods[e]	46.9	50.9	61.0	- 7.8	- 23.1
Stone, clay, and glass products	1.9	1.8	2.0	3.2	- 6.0
Primary metal industries	23.6	23.7	29.4	- .4	- 19.6
Blast furnace and basic steel products	11.5	11.0	15.8	4.7	- 27.2
Fabricated metal products	8.5	8.6	9.4	- 1.5	- 9.6
Fabricated structural metal products	2.7	2.7	2.8	.5	- 2.3
Machinery, except electrical	4.8	4.9	5.6	- 1.3	- 14.2
Metalworking machinery	2.4	2.3	2.6	.6	- 10.4
Electric and electronic equipment	2.9	2.9	3.1	.2	- 5.0
Transportation equipment	3.4	7.2	9.7	- 52.2	- 64.3
Nondurable Goods[f]	5.9	5.9	5.7	- .3	2.0
NONMANUFACTURING[g]	130.9	130.7	130.8	.2	.1
CONSTRUCTION	6.3	6.2	7.0	1.9	- 10.5
TRANSPORTATION AND PUBLIC UTILITIES	9.1	9.1	9.3	- .6	- 2.2
Communication, electric, gas services	3.3	3.3	3.3	- .3	- 1.4
WHOLESALE TRADE	7.8	7.9	7.9	- .6	- 1.3
RETAIL TRADE	36.2	36.1	36.5	.3	- .9
FINANCE, INSURANCE, AND REAL ESTATE	7.4	7.4	7.2	- .3	2.1
SERVICES	40.4	40.3	39.4	.1	2.4
GOVERNMENT	22.9	22.8	22.6	.4	1.3
Local government (includes education)	18.0	17.8	17.8	.9	.8

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
AUGUST 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1982[b]	July 1982[c]	August 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$439.67	$466.89	$491.64	38.1	39.4	41.7	$11.54	$11.85	$11.79
Durable Goods[d]	453.77	481.90	505.36	38.1	39.5	41.8	11.91	12.20	12.09
Stone, clay, and glass products	334.70	291.42	300.13	39.1	34.9	37.8	8.56	8.35	7.94
Primary metal industries	470.49	482.28	496.96	36.5	36.9	39.1	12.89	13.07	12.71
Blast furnace and basic steel products	474.01	489.68	522.19	35.4	35.9	39.5	13.39	13.64	13.22
Fabricated metal products	453.16	465.29	478.63	38.6	39.1	40.7	11.74	11.90	11.76
Fabricated structural metal products	350.66	358.53	358.54	36.3	37.0	39.4	9.66	9.69	9.10
Machinery, except electrical	441.60	396.12	423.34	38.4	34.9	37.9	11.50	11.35	11.17
Metalworking machinery	448.52	398.11	459.89	38.9	35.2	40.2	11.53	11.31	11.44
Electric and electronic equipment	393.01	398.98	334.57	40.6	42.4	39.5	9.68	9.41	8.47
Transportation equipment	513.28	645.34	716.22	41.9	49.3	54.3	12.25	13.09	13.19
Nondurable Goods[e]	323.02	321.72	328.86	38.5	38.3	40.6	8.39	8.40	8.10
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	577.89	602.97	537.86	38.5	39.8	38.2	15.01	15.15	14.08
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	418.84	423.20	438.01	39.7	40.0	42.9	10.55	10.58	10.21
WHOLESALE TRADE	326.23	333.98	330.46	38.2	39.2	40.3	8.54	8.52	8.20
RETAIL TRADE[f]	157.77	158.06	153.39	29.6	29.6	29.9	5.33	5.34	5.13
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

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NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Ohio Labor Market Information

BUREAU OF EMPLOYMENT SERVICES

JOB SERVICE OF OHIO

JAMES A. RHODES, *Governor*
GARY F. STEIN, *Administrator*

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
SEPTEMBER 1982

Unemployment in Ohio was estimated at 629,000 in September, or 12.3 percent of the civilian labor force. This compares with 657,000 and 12.5 percent in August. Total employment decreased by 1.9 percent, to 4,493,000. Seasonal gains in education, coupled with recalls of factory workers, boosted nonfarm payroll employment .9 percent, to 4,218,000 in September.

Employment in Ohio's manufacturing industries advanced .9 percent from August, to 1,116,000 in September. The increase was attributable chiefly to gains among the automotive industries. Motor vehicle manufacturers recalled several thousand workers previously furloughed for new-model changeovers. Producers of various automotive parts--metal stampings, castings, wire components--also reported recalls. Employment in food processing increased as vegetable canners added temporary workers. Lack of orders, however, led to layoffs in the production of steel, metalworking machinery, and electrical equipment.

Nonmanufacturing employment in September rose .9 percent to 3,101,000. Gains in education were responsible for much of the increase, as schools and colleges added personnel. Seasonal hiring among department and food stores boosted retailing. Gains were moderated, however, by cutbacks in outdoor amusements, and in noneducational units of state and local governments.

Average weekly earnings of Ohio's factory production workers rose $6 from August, to $4[illegible]0 in September. The average workweek, at 40.3 hours, was .3 hours longer. More overtime boosted earnings in the production of glassware, motor vehicles, petroleum products, and paperboard containers. Higher earnings in plastics materials were attributable both to overtime and to wage-rate increases. Increases were also reported by producers of nonferrous castings and electrical industrial apparatus, although shorter workweeks held weekly earnings on par with August. Paper mills reported longer hours due to overtime on Labor Day.

Between September 1981 and September 1982, Ohio's unemployment rate climbed from 10.0 to 12.3 percent. Total employment declined 1.6 percent. Factory job losses lowered nonfarm payroll employment 3.2 percent, with notable curtailments reported by producers of nonelectrical machinery, primary and fabricated metal products. Nonmanufacturing dipped fractionally, as expansion in service industries moderated cutbacks elsewhere. Factory production workers grossed $13 more per week in September 1982 than in September 1981, despite a reduction of .7 hours in the length of the average workweek.

For additional Labor Market Information, write
WILLIAM PAPIER, *Director of Research and Statistics*, BUREAU OF EMPLOYMENT SERVICES, COLUMBUS 43216

EMPLOYMENT IS OUR MOST IMPORTANT PRODUCT

EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--Nonfarm establishments in Akron employed 255,900 in September, 4,900 above August. Schools and colleges added personnel at the beginning of the new academic year, boosting nonmanufacturing despite seasonal shrinkage in amusement services. Recalls in fabricated metal products raised manufacturing by 800, to 70,000 in September. The average workweek for factory production workers, at 41.3 hours, was 1.1 hours longer than in August. Their average hourly earnings, at $9.88 for the month, were 9¢ higher.

Canton.--Canton's nonagricultural wage and salary employment totaled 154,200 in September, up 700 from August. Manufacturing rose 300, to 50,600 for the month, as recalls boosted employment in industrial machinery and equipment. The moderate gain in nonmanufacturing was attributable to seasonal factors. Production workers in manufacturing industries grossed $10.38 per hour in September, up 4¢ from August. Their average workweek, at 39.0 hours, was .5 hours longer.

Cincinnati.--Nonfarm payroll employment in Cincinnati increased 5,800 from August, to 588,300 in September. Seasonal gains in public and private education boosted nonmanufacturing, accounting for most of the overall increase. Manufacturing employment totaled 150,400, up 300 for the month. The average workweek of factory production workers slipped .3 hours, to 40.4 hours for the month. Hourly earnings rose slightly to $9.62 in September.

Cleveland.--Nonagricultural establishments in the Cleveland area employed 859,200 wage and salary workers in September, up 1,500 from August. Manufacturing rose 2,000, to 228,600, as producers of motor vehicles and their suppliers recalled employees. In nonmanufacturing, seasonal expansion in retailing and education was more than offset by termination of summer employment programs in local government. The average factory production worker grossed $10.26 per hour for a workweek of 39.8 hours in September--up 8¢ and down .3 hours from August.

Columbus.--September nonfarm payroll employment in Columbus totaled 505,100, representing a gain of 2,600 from August. Seasonal growth in education boosted nonmanufacturing for the month, despite cutbacks among nonschool units of state and local government. Manufacturing increased slightly, to 88,200 in September. The average factory production workweek, at 40.0 hours, was .4 hours longer. Average hourly earnings, at $9.43, were up 3¢ from August.

Dayton.--Workers on nonfarm payrolls in Dayton numbered 347,200 in September, up 6,300 from August. Increases in durable goods boosted manufacturing by 900, to 89,400 for the month. The increase in nonmanufacturing was attributable to seasonal hiring among public and private schools and colleges. Production workers in factories grossed $10.13 per hour, up 7¢ from August. Their average workweek slipped .2 hours, to 40.1 hours.

Toledo.--Toledo's nonagricultural wage and salary employment rose 2,500 from August, to 283,800 in September. The increase occurred in nonmanufacturing, due mainly to seasonal increases in education and settlement of labor-management disputes in construction. Manufacturing, at 69,200, was up 400 over the month. The hourly earnings of the average manufacturing production worker, at $10.83 an hour, were down 8¢ from August. The average workweek, at 41.5 hours, was little changed.

Youngstown-Warren.--Nonagricultural wage and salary employment in the Youngstown-Warren area totaled 188,800 in September, up 5,400 from August. Recalls of automotive assembly workers, following retooling for new-model cars, increased manufacturing by 3,300, to 56,000 in September. In nonmanufacturing, seasonal expansion in education lifted employment in services and government. Average hourly earnings of factory production workers increased 11¢, to $11.75 an hour. Average weekly hours, at 39.9, were up 2.0 hours from the previous month.

Division of Research and Statistics
Ohio Bureau of Employment Services
10-15-82

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[i]
NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)								
1971	244.1	138.1	501.9	829.3	410.9	317.4	263.7	198.1
1972	248.1	139.8	512.0	838.0	431.6	325.5	272.4	201.1
1973	255.1	147.9	534.5	865.2	451.0	335.6	285.8	211.6
1974	259.0	152.1	542.2	879.2	457.6	334.9	285.6	213.5
1975	248.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	145.9	541.9	860.0	456.1	331.5	282.6	203.5
1977	259.3	149.8	562.1	880.9	471.6	343.1	292.1	208.0
1978	266.6	156.1	591.2	905.8	493.8	358.5	302.1	210.3
1979	270.9	160.7	607.4	919.8	507.3	364.9	306.0	213.9
1980	262.4	157.1	600.6	895.6	509.8	355.7	293.1	203.1
1981	259.0	157.3	593.9	880.8	508.3	353.4	290.9	199.1
1981								
September	262.9	158.8	598.2	883.1	508.5	356.2	291.8	202.2
October .	263.2	158.9	597.9	885.3	515.4	356.9	295.3	201.6
November.	261.1	157.9	597.1	883.6	515.6	357.0	292.3	201.8
December.	260.6	157.0	596.2	875.6	514.7	356.1	290.8	193.1
1982								
January .	252.2	152.9	576.7	856.1	499.9	349.0	281.9	191.8
February.	252.4	152.0	574.8	854.9	498.6	345.5	281.6	185.4
March ...	253.4	152.5	579.6	856.0	501.8	345.3	283.4	187.9
April ...	255.1	153.2	585.4	860.8	504.1	346.3	285.5	186.8
May	257.3	154.6	589.4	866.1	506.3	346.6	288.6	190.4
June	252.1	155.9	592.5	870.1	509.2	347.8	288.1	191.4
July	251.0	155.0	581.7	861.6	501.6	342.7	280.2	187.5
August ..	250.9	153.4	582.4	857.7	502.5	341.0	281.3	183.3
September	255.9	154.2	588.3	859.2	505.1	347.2	283.8	188.8
MANUFACTURING EMPLOYMENT (in thousands)								
1971	91.7	58.6	160.1	273.5	98.4	112.8	86.2	88.4
1972	91.3	57.4	155.9	273.9	100.8	114.3	88.8	87.9
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.3	153.9	260.3	93.1	100.1	80.7	80.8
1976	80.3	54.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	161.1	270.8	98.9	109.2	88.2	81.1
1978	85.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	59.1	173.1	276.3	101.1	109.5	88.6	79.9
1980	79.2	55.7	162.5	254.9	96.8	99.3	75.4	70.8
1981	75.9	55.3	158.4	247.4	93.6	97.8	74.0	67.7
1981								
September	76.8	56.5	159.7	249.9	94.3	99.6	76.9	69.4
October .	76.1	56.0	158.4	248.7	93.6	98.1	74.1	68.8
November.	74.9	55.1	158.6	245.9	93.2	98.0	71.5	68.3
December.	74.3	54.0	156.7	236.9	92.0	96.7	70.1	59.9
1982								
January .	73.0	52.7	151.9	238.0	91.0	95.7	68.5	63.6
Fabruary.	72.1	52.1	149.6	236.9	89.9	93.0	68.8	56.8
March ...	71.9	51.8	150.9	234.3	89.2	91.2	68.7	58.7
April ...	71.6	50.7	150.5	233.2	88.4	90.6	68.4	55.9
May	71.4	51.0	151.0	232.6	87.8	90.2	69.0	57.8
June	70.8	52.1	151.7	232.8	88.5	90.7	69.2	57.6
July	69.4	51.7	149.3	228.9	88.3	90.6	67.2	56.8
August ..	69.2	50.3	150.1	226.6	88.0	88.5	68.8	52.7
September	70.0	50.6	150.4	228.6	88.2	89.4	69.2	56.0

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1971	53.8	43.2	111.5	187.4	68.8	82.3	60.6	70.6
1972	53.5	42.2	110.7	188.7	71.0	83.4	63.8	70.2
1973	55.5	46.3	115.2	200.4	74.1	85.0	66.5	75.6
1974	56.1	46.9	115.3	199.5	71.2	79.5	63.1	74.2
1975	48.4	40.5	106.3	176.0	64.2	70.9	55.1	63.3
1976	44.5	40.4	107.8	180.9	65.4	73.4	59.3	63.3
1977	49.2	41.1	110.7	184.0	68.6	75.7	62.8	63.6
1978	49.4	42.2	116.4	188.0	70.1	77.5	64.1	62.5
1979	53.8	43.2	117.0	188.6	69.1	74.4	61.7	62.5
1980	47.5	40.1	106.6	169.2	64.6	65.5	49.6	54.1
1981	43.9	40.0	104.3	162.3	61.6	64.4	48.8	51.1
1981								
September	44.0	40.9	105.3	163.9	62.3	65.9	51.6	52.8
October .	43.3	40.4	104.3	162.4	61.4	64.8	49.0	52.3
November.	41.9	39.4	104.6	159.4	61.1	64.6	47.1	51.7
December.	41.4	38.3	102.8	150.4	60.1	63.4	45.9	43.8
1982								
January .	40.2	37.1	98.7	152.0	59.3	62.4	44.3	47.2
February.	39.4	36.6	96.8	151.4	58.2	59.8	44.8	41.2
March ...	39.3	36.2	98.2	149.0	57.5	58.4	44.8	42.8
April ...	39.2	35.2	97.7	148.2	56.8	57.9	44.7	40.4
May	39.1	35.7	98.3	147.7	56.3	57.8	45.1	41.9
June	38.5	36.9	99.1	148.0	57.0	58.4	45.3	42.0
July	37.2	36.4	96.8	144.6	56.9	58.1	43.3	41.1
August ..	37.1	35.3	97.3	142.4	56.7	56.2	45.0	37.3
September	37.9	35.6	97.8	144.8	56.8	57.2	45.4	40.2
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1971	40.6	38.9	41.0	40.6	39.6	40.6	41.4	41.4
1972	42.1	40.6	41.9	42.3	40.4	42.5	42.0	41.2
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.1	39.7	41.0	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.2	41.5	39.5
1977	42.3	39.7	41.6	42.8	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.9	40.4	42.8	42.4	41.4
1979	41.6	40.9	41.5	42.2	40.1	42.1	40.9	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1981	41.8	40.0	41.1	41.1	40.0	41.4	40.9	40.8
1981								
September	40.8	40.1	41.2	40.9	40.0	40.8	41.6	41.5
October .	41.2	39.7	40.7	40.7	39.8	41.1	41.1	39.8
November.	41.5	39.8	41.0	40.8	40.3	41.0	40.7	40.4
December.	42.4	40.2	41.1	40.7	40.4	41.1	41.3	39.1
1982								
January .	40.6	38.2	39.8	38.8	39.5	39.5	39.7	39.1
February.	41.6	39.3	39.8	40.2	39.8	40.0	41.0	39.3
March ...	41.2	38.7	39.9	40.1	39.4	39.5	40.9	39.1
April ...	40.8	38.9	40.2	40.1	39.4	39.8	40.3	38.6
May	41.0	38.9	40.6	40.5	39.7	40.0	41.0	39.3
June	41.5	39.4	41.0	41.0	40.1	41.2	41.8	40.1
July	41.0	38.6	40.4	40.0	39.4	41.1	41.8	39.4
August ..	40.2	38.5	40.7	40.1	39.6	40.3	41.4	37.9
September	41.3	39.0	40.4	39.8	40.0	40.1	41.5	39.9

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties. [k] Not comparable to prior data due to change in sample composition.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS							
1971	$4.36	$4.09	$3.89	$4.15	$3.77	$4.49	$4.26	$4.46
1972	4.68	4.48	4.15	4.50	4.06	4.74	4.67	4.88
1973	4.99	4.80	4.44	4.83	4.36	5.00	5.01	5.29
1974	5.28	5.24	4.82	5.21	4.73	5.29	5.39	5.80
1975	5.66	5.64	5.19	5.63	5.18	5.73	5.80	6.39
1976	6.02	6.18	5.65	6.22	5.64	6.28	6.32	7.02
1977	6.75	6.88	6.27	6.84	6.08	6.92	7.00	7.76
1978	7.19	7.56	6.81	7.50	6.55	7.38	7.53	8.54
1979	7.73	8.09	7.31	8.00	7.05	8.00	8.14	9.27
1980	8.72	8.79	8.06	8.63	7.73	8.65	8.90	10.27
1981	9.50	9.76	8.78	9.62	8.67	9.61	9.93	11.62
1981								
September	9.64	9.96	8.93	9.79	8.86	9.72	10.13	11.69
October .	9.66	9.98	8.99	9.83	8.96	9.96	10.20	11.58
November.	9.70	10.01	9.08	9.83	9.05	9.88	10.22	11.69
December.	9.71	10.09	9.14	9.71	9.07	9.95	10.46	11.59
1982								
January .	9.73	9.95	9.26	9.82	9.04	9.92	10.58	11.73
February.	9.77	10.05	9.24	9.86	9.05	9.82	10.70	11.70
March ...	9.83	10.01	9.41	9.93	9.12	9.84	10.80	11.69
April ...	9.80	10.08	9.43	9.99	9.18	9.94	10.80	11.59
May	9.78	10.13	9.53	10.12	9.27	10.06	10.91	11.70
June	9.81	10.24	9.62	10.25	9.31	10.42	10.98	11.71
July	9.68	10.15	9.64	10.22	9.37	10.28	11.06	11.85
August ..	9.79	10.34	9.60	10.18	9.40	10.06	10.91	11.64
September	9.88	10.38	9.62	10.26	9.43	10.13	10.83	11.75
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS							
1971	$177.02	$159.10	$159.49	$168.49	$149.29	$182.29	$176.36	$184.64
1972	197.03	181.89	173.89	190.35	164.02	201.45	196.14	201.06
1973	214.57	196.80	187.37	208.66	177.89	216.50	215.93	226.94
1974	223.34	210.12	199.55	219.34	187.78	216.89	222.07	236.06
1975	232.63	222.22	211.75	227.45	205.13	236.65	234.32	246.65
1976	253.44	244.73	232.22	260.62	226.16	271.30	262.28	277.29
1977	285.53	273.14	260.83	292.75	245.02	301.02	298.90	313.50
1978	304.14	304.67	286.70	321.75	264.62	315.86	319.27	353.56
1979	321.57	330.88	303.37	337.60	282.71	336.80	332.93	377.29
1980	361.88	342.81	332.07	350.38	305.34	358.98	361.34	409.77
1981	397.10	390.40	360.86	395.38	346.80	397.85	406.14	474.10
1981								
September	393.31	399.40	367.92	400.41	354.40	396.58	421.41	485.14
October .	397.99	396.21	365.89	400.08	356.61	409.36	419.22	460.88
November.	402.55	398.40	372.28	401.06	364.72	405.08	415.95	472.28
December.	411.70	405.62	375.65	395.20	366.43	408.95	432.00	453.17
1982								
January .	395.04	380.09	368.55	381.02	357.08	391.84	420.03	458.64
February.	406.43	394.97	367.75	396.37	360.19	392.80	438.70	459.81
March ...	405.00	387.39	375.46	398.19	359.33	388.68	441.72	457.08
April ...	399.84	392.11	379.09	400.60	361.69	395.61	435.24	447.37
May	400.98	394.06	386.92	409.86	368.02	402.40	447.31	459.81
June	407.12	403.46	394.42	420.25	373.33	429.30	458.96	469.57
July	396.88	391.79	389.46	408.80	369.18	422.51	462.31	466.89
August ..	393.56	398.09	390.72	408.22	372.24	405.42	451.67	441.16
September	408.04	404.82	388.65	408.35	377.20	406.21	449.45	468.83

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]

(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
AKRON[b]					CANTON[c]				
1971	277.7	261.3	16.3	5.9	1971	164.9	152.3	12.6	7.6
1972	282.2	267.3	14.8	5.3	1972	165.6	155.3	10.3	6.2
1973	287.1	274.9	12.2	4.3	1973	171.2	163.1	8.1	4.7
1974	290.8	277.7	13.0	4.5	1974	175.6	167.5	8.1	4.6
1975	292.0	264.3	27.7	9.5	1975	174.7	158.0	16.7	9.6
1976	291.3	266.3	25.0	8.6	1976	174.4	158.6	15.8	9.1
1977	294.2	274.7	19.5	6.6	1977	175.9	163.1	12.9	7.3
1978	298.9	282.2	16.7	5.6	1978	179.9	170.0	9.9	5.5
1979	303.8	285.4	18.4	6.1	1979	184.3	173.7	10.6	5.7
1980	303.9	278.2	25.7	8.5	1980	187.7	170.8	16.8	9.0
1981	301.8	273.2	28.6	9.5	1981	188.1	170.1	18.0	9.6
1981					1981				
August	307.0	276.9	30.1	9.8	August	191.8	174.4	17.4	9.1
September ..	302.6	273.1	29.5	9.7	September .	189.2	169.1	20.1	10.6
October	302.2	273.7	28.6	9.4	October ...	187.0	169.5	17.5	9.4
November ...	304.6	272.2	32.4	10.6	November ..	188.8	168.9	19.9	10.5
December ...	302.7	269.0	33.7	11.1	December ..	187.8	166.2	21.6	11.5
1982					1982				
January	298.4	264.2	34.2	11.5	January ...	187.7	164.1	23.6	12.6
February ...	295.5	260.4	35.1	11.9	February ..	184.6	161.0	23.6	12.8
March	297.2	261.9	35.3	11.9	March	187.3	161.9	25.4	13.6
April	299.7	265.7	34.0	11.4	April	188.5	163.9	24.6	13.1
May	301.5	270.4	31.1	10.3	May	190.3	167.0	23.3	12.2
June	305.4	269.9	35.4	11.6	June	196.5	170.8	25.7	13.1
July	310.8	273.2	37.6	12.1	July	201.7	172.7	29.1	14.4
August[p]	310.0	272.4	37.6	12.1	August[p] ...	199.2	170.4	28.8	14.5
CINCINNATI[d]					CLEVELAND[e]				
1971	550.0	516.0	34.0	6.2	1971	866.7	811.7	55.0	6.3
1972	561.0	529.0	32.0	5.7	1972	873.2	825.2	48.0	5.5
1973	572.0	543.0	29.0	5.1	1973	883.9	849.0	34.5	3.9
1974	595.3	569.8	25.5	4.3	1974	899.1	861.4	37.7	4.2
1975	595.3	551.6	43.6	7.3	1975	896.9	826.3	70.6	7.9
1976	604.8	566.6	38.2	6.3	1976	897.7	834.4	63.3	7.0
1977	623.4	588.7	34.7	5.6	1977	908.5	854.4	54.0	5.9
1978	648.3	615.8	32.5	5.0	1978	921.7	878.5	43.2	4.7
1979	663.4	628.1	35.3	5.3	1979	935.8	889.1	46.7	5.0
1980	676.2	628.6	47.5	7.0	1980	937.1	869.0	68.2	7.3
1981	678.6	619.2	59.5	8.8	1981	929.2	850.8	78.4	8.4
1981					1981				
August	683.6	624.4	59.1	8.7	August	947.5	867.9	79.7	8.4
September ..	680.1	616.3	63.8	9.4	September .	922.4	839.8	82.6	9.0
October	678.9	616.1	62.7	9.2	October ...	923.6	843.7	79.9	8.7
November ...	684.3	617.1	67.2	9.8	November ..	931.4	844.3	87.1	9.4
December ...	679.4	611.6	67.8	10.0	December ..	921.1	829.1	92.1	10.0
1982					1982				
January	665.4	594.4	71.1	10.7	January ...	905.6	821.3	84.4	9.3
February ...	657.0	585.6	71.4	10.9	February ..	892.2	809.1	83.0	9.3
March	664.3	591.2	73.0	11.0	March	903.7	811.3	92.5	10.2
April	669.7	601.4	68.3	10.2	April	910.4	821.7	88.6	9.7
May	675.9	611.2	64.7	9.6	May	921.3	834.7	86.5	9.4
June	696.8	622.8	74.0	10.6	June	953.0	849.8	103.2	10.8
July	696.7	622.5	74.2	10.6	July	958.8	855.9	102.9	10.7
August[p]	694.5	621.9	72.6	10.4	August[p] ...	953.8	848.4	105.4	11.0

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. Data are geared to 1980 Census. [b] Defined as Portage and Summit Counties. [c] Defined as Carroll and Stark Counties. [d] Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e] Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]

(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
COLUMBUS[f]					DAYTON[g]				
1971	445.6	425.6	20.0	4.5	1971	349.5	326.1	23.3	6.7
1972	469.1	450.2	18.9	4.0	1972	353.5	336.2	17.3	4.9
1973	485.5	468.3	17.1	3.5	1973	358.0	343.5	14.5	4.1
1974	495.4	475.5	19.9	4.0	1974	359.5	342.5	17.0	4.7
1975	495.0	458.6	36.5	7.4	1975	357.6	327.7	29.9	8.4
1976	503.6	468.5	35.1	7.0	1976	360.5	336.3	24.2	6.7
1977	513.4	483.3	30.1	5.9	1977	368.6	348.3	20.3	5.5
1978	531.4	506.5	24.9	4.7	1978	381.1	363.7	17.3	4.6
1979	543.0	517.1	25.8	4.8	1979	392.2	367.9	24.2	6.2
1980	554.7	523.3	31.5	5.7	1980	390.2	360.9	29.3	7.5
1981	562.5	518.7	43.8	7.8	1981	389.8	357.4	32.4	8.3
1981					1981				
August	569.2	524.6	44.7	7.8	August	392.7	359.0	33.8	8.6
September	561.3	511.9	49.4	8.8	September	388.9	354.8	34.1	8.8
October	565.5	519.2	46.3	8.2	October	389.7	356.4	33.3	8.5
November	570.6	520.4	50.2	8.8	November	393.8	357.1	36.7	9.3
December	563.4	514.2	49.2	8.7	December	391.4	352.2	39.2	10.0
1982					1982				
January	554.8	506.0	48.8	8.8	January	389.5	349.7	39.8	10.2
February	547.5	498.2	49.4	9.0	February	383.4	341.7	41.7	10.9
March	553.8	502.5	51.4	9.3	March	387.5	342.3	45.2	11.7
April	559.6	508.8	50.8	9.1	April	389.7	346.2	43.5	11.2
May	564.4	516.4	48.0	8.5	May	390.3	350.0	40.3	10.3
June	582.0	528.1	53.8	9.2	June	402.2	356.2	46.1	11.5
July	581.1	528.3	52.8	9.1	July	401.3	356.8	44.5	11.1
August[p]	580.3	526.7	53.6	9.2	August[p]	399.3	353.8	45.5	11.4
TOLEDO[h]					YOUNGSTOWN-WARREN[i]				
1971	319.3	300.3	19.1	6.0	1971	225.1	207.1	18.0	8.0
1972	329.4	311.3	18.1	5.5	1972	226.9	212.1	14.8	6.5
1973	339.8	324.2	15.6	4.6	1973	232.5	221.8	10.8	4.6
1974	343.8	324.2	19.7	5.7	1974	236.7	223.7	13.0	5.5
1975	344.8	310.2	34.6	10.0	1975	236.7	209.8	26.9	11.4
1976	347.8	319.4	28.4	8.2	1976	234.2	210.5	23.7	10.1
1977	355.0	329.4	25.6	7.2	1977	234.0	215.0	19.0	8.1
1978	362.1	339.7	22.4	6.2	1978	235.2	217.5	17.7	7.5
1979	368.2	341.7	26.4	7.2	1979	237.1	219.9	17.1	7.2
1980	367.7	329.7	38.0	10.3	1980	238.4	210.4	28.0	11.7
1981	366.9	327.3	39.6	10.8	1981	233.1	205.3	27.7	11.9
1981					1981				
August	370.7	330.9	39.9	10.8	August	234.5	207.1	27.4	11.7
September	365.7	324.9	40.8	11.2	September	231.0	205.2	25.8	11.2
October	370.6	329.0	41.6	11.2	October	230.2	204.9	25.3	11.0
November	368.8	326.1	42.6	11.6	November	235.0	205.6	29.4	12.5
December	365.4	319.9	45.5	12.4	December	232.0	195.0	37.1	16.0
1982					1982				
January	361.0	313.4	47.6	13.2	January	232.6	196.1	36.5	15.7
February	355.7	310.0	45.7	12.8	February	232.8	187.2	45.6	19.6
March	360.2	312.1	48.2	13.4	March	231.2	190.0	41.1	17.8
April	362.5	317.5	45.0	12.4	April	236.5	190.4	46.2	19.5
May	365.1	325.3	39.8	10.9	May	236.5	195.8	40.7	17.2
June	374.5	329.8	44.7	11.9	June	244.2	199.7	44.6	18.2
July	374.3	327.1	47.2	12.6	July	243.4	199.0	44.4	18.2
August[p]	371.6	326.4	45.2	12.2	August[p]	246.6	194.9	51.6	20.9

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[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. Data are geared to 1980 Census. [f] Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Defined as Greene, Miami, Montgomery, and Preble Counties. [h] Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Defined as Mahoning and Trumbull Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1971	4,416	4,130	286	6.5	5.9
1972	4,510	4,261	249	5.5	5.6
1973	4,621	4,423	198	4.3	4.9
1974	4,708	4,483	225	4.8	5.6
1975	4,721	4,292	429	9.1	8.5
1976	4,749	4,378	370	7.8	7.7
1977	4,830	4,518	312	6.5	7.1
1978	4,956	4,688	268	5.4	6.1
1979	5,056	4,758	298	5.9	5.8
1980	5,086	4,660	426	8.4	7.1
1981	5,085	4,595	490	9.6	7.6
1981					
September	5,076	4,566	510	10.0	7.3
October .	5,084	4,580	504	9.9	7.5
November.	5,121	4,560	561	10.9	7.9
December.	5,073	4,473	600	11.8	8.3
1982					
January .	5,032	4,434	598	11.9	9.4
February.	4,967	4,361	606	12.2	9.6
March ...	5,014	4,398	616	12.3	9.5
April ...	5,050	4,444	606	12.0	9.2
May	5,092	4,526	566	11.1	9.1
June	5,251	4,607	644	12.3	9.8
July	5,261	4,617	644	12.2	9.8
August ..	5,235	4,578	657	12.5	9.6
September	5,122	4,493	629	12.3	9.7

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1971	3,839.5	1,333.8	2,505.7
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,367.4	1,264.5	3,102.8
1981	4,323.1	1,232.5	3,090.5
1981			
September	4,359.0	1,252.9	3,106.1
October .	4,363.4	1,232.0	3,131.4
November.	4,342.7	1,211.9	3,130.8
December.	4,301.4	1,173.8	3,127.6
1982			
January .	4,190.3	1,167.1	3,023.2
February.	4,171.8	1,148.9	3,022.8
March ...	4,192.5	1,147.4	3,045.1
April ...	4,216.6	1,132.2	3,084.4
May	4,244.4	1,129.5	3,114.9
June	4,256.2	1,133.5	3,122.7
July	4,194.7	1,118.8	3,075.9
August ..	4,179.0	1,106.4	3,072.6
September	4,217.5	1,116.4	3,101.2

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1971	20.8	155.2	223.8	185.5	597.3	158.6	587.4	577.2
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	589.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	686.3	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.1	214.6	703.1	183.4	731.4	642.3
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
1980	30.7	167.4	223.1	230.4	726.6	203.8	830.9	689.9
1981	30.3	154.2	218.4	230.7	715.3	205.2	856.2	680.2
1981								
September	32.6	165.9	221.2	231.6	722.9	206.2	871.1	654.6
October .	31.8	166.2	221.2	231.4	721.6	206.0	870.0	683.2
November.	32.4	161.3	220.5	231.1	728.1	205.6	864.9	686.9
December.	32.2	149.0	220.1	231.2	740.2	206.3	860.2	688.6
1982								
January .	31.8	126.5	213.4	228.4	692.5	204.5	849.7	676.4
February.	31.7	122.7	212.1	227.7	681.4	204.2	858.2	684.8
March ...	31.8	128.4	211.9	228.8	687.3	204.6	866.5	685.9
April ...	32.4	138.7	214.0	229.4	700.0	205.1	882.1	682.7
May	32.9	145.6	215.1	229.6	708.5	205.8	890.1	687.3
June	33.1	149.0	216.2	230.9	710.8	207.7	900.1	674.7
July	32.8	152.4	215.0	230.5	707.4	208.6	896.1	633.2
August ..	31.9	154.0	214.4	230.2	709.1	208.1	897.8	627.1
September	32.9	154.5	213.8	229.5	711.7	207.0	905.0	646.8

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[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1971	1,333.8	936.1	397.7	958.1	$160.7	39.0
1972	1,346.8	948.8	398.0	977.6	181.0	40.7
1973	1,426.3	1,018.2	408.1	1,045.0	210.4	44.2
1974	1,416.6	1,013.1	403.5	1,026.5	217.0	42.3
1975	1,267.5	892.4	375.1	899.3	201.9	36.2
1976	1,295.3	910.6	384.6	922.0	232.8	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,382.3	980.5	401.8	979.0	318.5	40.6
1980	1,264.5	882.6	382.0	867.8	301.9	35.2
1981	1,232.5	858.9	373.6	847.6	330.4	34.7
1981						
September	1,252.9	872.6	380.3	868.0	344.5	35.6
October .	1,232.0	858.2	373.8	848.8	334.0	34.3
November.	1,211.9	841.1	370.8	830.6	331.0	33.8
December.	1,173.8	807.0	366.8	794.3	316.3	32.4
1982						
January .	1,167.1	804.8	362.3	789.1	305.8	31.0
February.	1,148.9	789.3	359.7	773.7	306.2	31.0
March ...	1,147.4	789.7	357.7	773.5	306.2	30.9
April ...	1,132.2	776.2	356.1	759.7	302.2	30.3
May	1,129.5	773.4	356.1	757.5	305.7	30.5
June	1,133.5	777.0	356.5	762.1	315.4	31.0
July	1,118.8	765.2	353.6	748.2	305.1	30.0
August ..	1,106.4	750.5	355.8	737.0	298.0	29.5
September	1,116.4	758.5	357.8	746.9	306.4	30.1

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1971	$167.68	$171.36	$158.77	40.7	40.8	40.4	$4.12	$4.20	$3.93
1972	185.12	190.19	172.60	41.6	41.8	40.9	4.45	4.55	4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1981	389.78	401.64	358.16	40.9	40.9	40.7	9.53	9.82	8.80
1981									
September	396.88	408.59	365.79	41.0	40.9	41.1	9.68	9.99	8.90
October .	393.50	405.21	364.41	40.4	40.4	40.4	9.74	10.03	9.02
November.	398.45	410.26	367.43	40.7	40.7	40.6	9.79	10.08	9.05
December.	398.21	409.22	372.91	40.8	40.8	40.8	9.76	10.03	9.14
1982									
January .	387.50	395.69	366.83	39.3	39.1	39.7	9.86	10.12	9.24
February.	395.79	405.60	373.30	40.1	40.0	40.4	9.87	10.14	9.24
March ...	395.81	406.36	370.93	39.9	39.8	40.1	9.92	10.21	9.25
April ...	397.80	407.55	374.00	39.9	39.8	40.0	9.97	10.24	9.35
May	403.61	414.63	377.21	40.2	40.1	40.3	10.04	10.34	9.36
June	413.92	426.54	381.92	40.7	40.7	40.5	10.17	10.48	9.43
July	407.82	419.60	379.22	40.1	40.0	40.3	10.17	10.49	9.41
August ..	404.40	415.51	379.89	40.0	39.8	40.5	10.11	10.44	9.38
September	410.25	421.85	384.74	40.3	40.1	40.8	10.18	10.52	9.43

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
					EMPLOYMENT (in thousands)				
1971	68.7	158.5	160.0	200.0	127.4	155.2	80.4	68.2	99.3
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.9	67.4	92.7
1981	61.2	137.9	154.6	203.5	102.0	136.5	70.5	66.3	89.0
1981									
September	62.4	140.8	156.8	204.5	103.9	139.0	74.7	66.6	89.8
October .	60.9	137.3	155.0	202.3	102.0	136.6	71.2	66.7	88.7
November.	60.4	134.3	152.9	198.8	100.1	132.4	69.9	66.2	87.5
December.	58.2	125.0	148.3	196.6	97.8	119.5	70.0	66.0	84.8
1982									
January .	55.4	126.0	143.3	193.2	97.9	129.8	68.3	65.6	84.0
February.	55.3	123.5	141.1	191.0	97.4	121.3	68.2	65.8	82.1
March ...	54.5	122.6	140.3	189.0	96.9	126.9	68.0	65.2	81.6
April ...	54.0	117.8	139.5	185.9	95.9	123.3	67.5	64.8	81.2
May	54.2	115.3	138.6	183.3	95.4	126.6	67.6	64.2	81.6
June	54.9	116.4	138.4	181.2	96.0	129.2	68.7	63.6	81.5
July	55.0	114.2	135.3	177.3	95.3	127.9	68.6	62.7	80.3
August ..	54.2	113.0	133.4	175.1	93.7	120.4	71.2	62.4	79.9
September	55.0	113.6	134.5	174.8	93.1	126.3	72.5	62.4	80.0
					AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS				
1971	$162.96	$177.36	$173.40	$169.33	$159.20	$198.55	$163.49	$173.82	$162.80
1972	175.14	204.61	187.87	193.46	164.42	219.99	173.43	187.21	180.48
1973	189.03	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.03	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1981									
September	360.14	504.00	385.60	391.96	354.08	485.41	378.88	364.03	359.96
October .	356.65	475.61	392.18	394.54	356.49	485.81	368.33	356.45	377.51
November.	361.97	488.03	391.78	402.26	357.86	481.31	378.84	363.65	376.58
December.	359.31	476.80	398.05	403.38	361.34	480.24	379.61	368.16	386.75
1982									
January .	354.09	465.17	369.95	385.66	353.70	464.07	367.54	360.43	369.03
February.	361.00	479.97	387.89	391.55	365.82	476.49	376.28	365.00	382.94
March ...	371.18	466.29	393.03	390.98	361.43	485.44	377.29	357.00	376.25
April ...	368.15	473.14	397.79	387.68	364.05	493.07	380.42	352.08	376.14
May	372.20	473.07	400.57	387.29	366.96	522.22	385.40	358.45	380.55
June	379.86	495.67	408.18	401.79	366.16	541.37	390.45	354.52	395.37
July	380.14	488.71	405.73	390.04	358.75	528.24	385.02	351.50	385.70
August ..	380.83	496.98	399.35	391.24	365.98	502.18	389.06	351.22	385.15
September	386.34	498.69	397.94	396.79	366.44	527.67	402.05	353.56	380.84

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
SEPTEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1982[b]	August 1982[c]	September 1981[c]	August 1982	September 1981
TOTAL	4217.5	4179.0	4359.0	.9	- 3.2
MANUFACTURING	1116.4	1106.4	1252.9	.9	- 10.9
Durable Goods[e]	758.5	750.5	872.6	1.1	- 13.1
Lumber and wood products	13.1	13.1	14.0	.3	- 6.1
Furniture and fixtures	13.6	13.6	15.2	.0	- 10.8
Household furniture	6.2	6.2	7.3	- .2	- 14.2
Stone, clay, and glass products	55.0	54.2	62.4	1.4	- 11.9
Glass and glassware, pressed or blown	13.8	13.6	15.0	1.5	- 8.2
Structural clay products	4.7	4.6	6.1	2.7	- 22.5
Pottery and related products	6.1	5.9	7.0	3.3	- 12.7
Primary metal industries	113.6	113.0	140.8	.5	- 19.3
Blast furnace and basic steel products	56.9	57.5	73.4	- .9	- 22.4
Iron and steel foundries	24.0	23.7	29.4	1.3	- 18.4
Nonferrous rolling and drawing	18.0	17.5	20.1	2.9	- 10.3
Nonferrous foundries	8.4	8.3	10.2	.9	- 17.7
Fabricated metal products	134.5	133.4	156.8	.8	- 14.2
Cutlery, hand tools, and hardware	10.2	10.5	12.8	- 3.1	- 20.2
Plumbing and heating, except electric	4.4	4.6	5.3	- 4.8	- 16.6
Fabricated structural metal products	33.3	33.3	35.9	.1	- 7.2
Screw machine products, bolts, etc.	9.2	9.3	10.7	- .9	- 14.6
Metal forgings and stampings	37.3	35.4	46.0	5.2	- 18.9
Machinery, except electrical	174.8	175.1	204.5	- .2	- 14.5
Construction and related machinery	21.0	20.5	26.0	2.5	- 18.9
Metalworking machinery	46.6	47.1	54.4	- 1.1	- 14.4
Special industry machinery	19.2	19.3	21.4	- .3	- 10.0
General industrial machinery	32.7	32.9	39.3	- .8	- 16.9
Electric and electronic equipment	93.1	93.7	103.9	- 6	- 10.3
Electrical industrial apparatus	19.8	20.0	24.1	- 1.0	- 17.5
Household appliances	15.5	15.8	18.1	- 2.1	- 14.7
Electric lighting and wiring equipment	18.4	18.7	20.3	- 1.8	- 9.2
Communication equipment	12.1	12.0	12.0	.2	.4
Transportation equipment	126.3	120.4	139.0	4.9	- 9.2
Motor vehicles and equipment	79.4	74.1	93.3	7.1	- 14.9
Aircraft and parts	38.0	37.4	36.5	1.6	4.1
Instruments and related products	20.6	20.3	22.2	1.5	- 7.3
Measuring and controlling devices	12.0	11.8	13.6	1.9	- 11.5
Nondurable Goods[f]	357.8	355.8	380.3	.6	- 5.9
Food and kindred products	72.5	71.2	74.7	1.8	- 2.9
Meat products	11.1	11.3	11.6	- 1.1	- 4.1
Dairy products	11.2	11.3	11.8	- .9	- 5.5
Bakery products	11.5	11.4	11.7	.7	- 2.3
Beverages	10.8	11.0	11.0	- 1.8	- 2.4
Textile mill products	4.4	4.4	4.9	- .6	- 10.5
Apparel and other textile products	17.1	16.7	17.4	2.4	- 1.7
Paper and allied products	35.3	34.8	38.5	1.5	- 8.3
Paper mills, except building paper	8.9	8.9	10.0	.0	- 10.9
Misc. converted paper products	11.2	11.0	11.8	1.6	- 4.9
Paperboard containers and boxes	11.9	11.6	13.1	1.9	- 9.7
Printing and publishing	62.4	62.4	66.6	.0	- 6.3
Newspapers	18.3	18.3	19.7	.1	- 7.2
Commercial printing	22.8	22.7	25.6	.3	- 10.8
Chemicals and allied products	66.9	67.2	68.4	- .4	- 2.2
Industrial inorganic chemicals	12.8	12.8	12.8	.0	- .2
Plastics materials and synthetics	9.1	9.2	9.8	- 1.3	- 7.2
Petroleum and coal products	13.8	13.7	14.4	.4	- 4.2
Rubber and misc. plastics products	80.0	79.9	89.8	.2	- 10.9
Tires and inner tubes	21.7	21.6	24.3	.3	- 10.9
Miscellaneous plastics products	39.1	39.4	44.1	- .8	- 11.3
Leather and leather products	5.3	5.3	5.5	- .3	- 3.0

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
SEPTEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1982[b]	August 1982[c]	September 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$410.25	$404.40	$396.88	40.3	40.0	41.0	$10.18	$10.11	$ 9.68
Durable Goods[d]	421.85	415.51	408.59	40.1	39.8	40.9	10.52	10.44	9.99
Lumber and wood products	284.59	286.21	268.42	39.2	39.1	39.3	7.26	7.32	6.83
Furniture and fixtures	305.66	311.55	274.45	39.8	40.2	38.6	7.68	7.75	7.11
Household furniture	263.64	266.85	244.86	38.6	38.9	38.2	6.83	6.86	6.41
Stone, clay, and glass products	386.34	380.83	360.14	41.1	40.6	41.3	9.40	9.38	8.72
Glass and glassware, pressed or blown	398.93	372.07	374.74	40.5	38.2	40.6	9.85	9.74	9.23
Structural clay products	286.80	294.17	274.16	40.0	41.2	40.2	7.17	7.14	6.82
Pottery and related products	304.54	302.02	263.89	38.5	37.8	36.6	7.91	7.99	7.21
Primary metal industries	498.69	496.98	504.00	39.8	39.6	42.0	12.53	12.55	12.00
Blast furnace and basic steel products	528.26	524.10	555.44	38.7	38.2	42.4	13.65	13.72	13.10
Iron and steel foundries	498.04	496.52	442.68	42.1	41.9	40.8	11.83	11.85	10.85
Nonferrous rolling and drawing	478.63	478.28	480.40	39.2	39.3	40.1	12.21	12.17	11.98
Nonferrous foundries	352.00	356.29	338.24	40.0	41.0	40.9	8.80	8.69	8.27
Fabricated metal products	397.94	399.35	385.60	39.4	39.5	40.0	10.10	10.11	9.64
Cutlery, hand tools, and hardware	388.49	381.95	397.20	38.2	37.3	40.0	10.17	10.24	9.93
Plumbing and heating, except electric	342.91	342.02	321.39	38.4	38.3	37.9	8.93	8.93	8.48
Fabricated structural metal products	379.53	378.58	346.53	39.7	39.6	39.2	9.56	9.56	8.84
Screw machine products, bolts, etc.	328.24	337.31	352.34	37.3	38.2	39.5	8.80	8.83	8.92
Metal forgings and stampings	462.44	469.90	456.75	39.9	40.3	40.6	11.59	11.66	11.25
Machinery, except electrical	396.79	391.24	391.96	39.6	39.4	41.0	10.02	9.93	9.56
Construction and related machinery	397.17	395.76	388.00	38.9	38.8	40.0	10.21	10.20	9.70
Metalworking machinery	377.03	375.72	393.18	38.2	38.3	41.3	9.87	9.81	9.52
Special industry machinery	376.26	377.87	369.70	39.9	40.5	41.4	9.43	9.33	8.93
General industrial machinery	389.67	383.94	384.71	39.4	38.9	40.2	9.89	9.87	9.57
Electric and electronic equipment	366.44	365.98	354.08	38.9	39.1	40.1	9.42	9.36	8.83
Electrical industrial apparatus	335.61	336.97	360.59	36.4	37.4	41.4	9.22	9.01	8.71
Household appliances	367.82	367.09	353.31	38.8	38.6	39.3	9.48	9.51	8.99
Electric lighting and wiring equipment	375.23	373.19	328.38	41.6	41.1	39.9	9.02	9.08	8.23
Communication equipment	403.77	407.13	410.62	38.2	38.3	40.1	10.57	10.63	10.24
Transportation equipment	527.67	502.18	485.41	42.9	41.4	42.1	12.30	12.13	11.53
Motor vehicles and equipment	555.90	530.04	512.83	43.6	42.1	42.7	12.75	12.59	12.01
Aircraft and parts	461.30	441.05	411.60	40.5	39.1	40.0	11.39	11.28	10.29
Instruments and related products	289.81	287.96	274.03	39.7	39.5	39.6	7.30	7.29	6.92
Measuring and controlling devices	286.69	280.42	279.09	38.9	38.1	39.7	7.37	7.36	7.03
Nondurable Goods[e]	384.74	379.89	365.79	40.8	40.5	41.1	9.43	9.38	8.90
Food and kindred products	402.05	389.06	378.88	43.0	41.7	43.3	9.35	9.33	8.75
Meat products	411.48	424.54	426.13	40.7	40.9	43.0	10.11	10.38	9.91
Dairy products	412.16	396.88	358.19	44.8	44.0	43.0	9.20	9.02	8.33
Bakery products	382.00	376.74	363.94	39.3	39.0	40.8	9.72	9.66	8.92
Beverages	326.85	347.10	340.66	37.1	39.0	40.7	8.81	8.90	8.37
Textile mill products	263.74	261.58	261.74	38.9	39.1	39.9	6.78	6.69	6.56
Apparel and other textile products	218.46	218.21	204.23	37.6	37.3	36.6	5.81	5.85	5.58
Paper and allied products	407.48	395.23	385.42	44.1	43.1	44.2	9.24	9.17	8.72
Paper mills, except building paper	510.86	492.67	495.51	48.7	47.1	49.7	10.49	10.46	9.97
Misc. converted paper products	356.17	350.68	324.24	42.1	41.5	41.2	8.46	8.45	7.87
Paperboard containers and boxes	367.50	358.56	342.69	42.0	41.5	42.1	8.75	8.64	8.14
Printing and publishing	353.56	351.22	364.03	36.6	36.7	38.4	9.66	9.57	9.48
Newspapers	315.88	308.38	354.24	31.4	30.9	36.0	10.06	9.98	9.84
Commercial printing	365.15	362.70	384.75	37.8	37.9	39.3	9.66	9.57	9.79
Chemicals and allied products	422.71	419.43	394.83	41.0	41.0	41.3	10.31	10.23	9.56
Industrial inorganic chemicals	437.22	444.14	441.60	40.9	41.2	41.7	10.69	10.78	10.59
Plastics materials and synthetics	468.72	458.82	416.51	43.2	42.8	42.2	10.85	10.72	9.87
Petroleum and coal products	598.49	574.22	527.83	44.3	43.7	43.3	13.51	13.14	12.19
Rubber and misc. plastics products	380.84	385.15	359.96	40.3	40.8	40.4	9.45	9.44	8.91
Tires and inner tubes	510.72	510.76	509.72	42.0	41.9	42.3	12.16	12.19	12.05
Miscellaneous plastics products	362.34	368.12	340.35	39.6	40.1	39.9	9.15	9.18	8.53
Leather and leather products	192.62	197.32	185.10	36.9	37.8	36.8	5.22	5.22	5.03

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
SEPTEMBER 1982 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1982[b]	August 1982[c]	September 1981[c]	August 1982	September 1981
NONMANUFACTURING	3101.2	3072.6	3106.1	.9	- .2
MINING	32.9	31.9	32.6	3.2	.7
Bituminous coal and lignite mining	13.7	12.7	14.4	8.0	- 4.5
CONSTRUCTION	154.5	154.0	165.9	.3	- 6.9
General building contractors	35.9	36.5	39.4	- 1.5	- 8.9
Heavy construction contractors	25.9	26.1	28.4	- .9	- 8.7
TRANSPORTATION AND PUBLIC UTILITIES	213.8	214.4	221.2	- .3	- 3.3
Railroad transportation	23.5	23.6	26.7	- .5	- 11.9
Transportation, except railroads	95.3	94.5	97.6	.9	- 2.3
Trucking and warehousing	70.8	70.1	73.5	1.0	- 3.6
Communication, electric, gas services	95.0	96.3	96.9	- 1.4	- 1.9
Communication	53.3	54.4	55.7	- 2.0	- 4.3
Electric, gas, and sanitary services	41.7	41.9	41.2	- .5	1.2
WHOLESALE TRADE	229.5	230.2	231.6	- .3	- .9
Wholesale trade-durable goods	147.5	147.9	149.4	- .2	- 1.2
Motor vehicles & automotive equipment	20.6	20.7	21.1	- .3	- 2.4
Electrical goods	19.3	19.2	19.4	.2	- .6
Machinery, equipment, and supplies	62.0	62.2	62.2	- .3	- .3
Wholesale trade-nondurable goods	82.0	82.3	82.3	- .3	- .4
Groceries and related products	24.5	24.5	24.2	- .2	1.1
RETAIL TRADE	711.7	709.1	722.9	.4	- 1.5
General merchandise stores	111.2	109.3	118.2	1.7	- 6.0
Department stores	101.5	99.7	108.0	1.8	- 6.1
Food stores	117.4	116.7	118.0	.6	- .5
Automotive dealers & service stations	70.2	70.7	73.4	- .7	- 4.2
Apparel and accessory stores	34.8	34.6	35.2	.6	- 1.3
FINANCE, INSURANCE, AND REAL ESTATE	207.0	208.1	206.2	- .5	.4
Banking	59.0	59.4	59.3	- .8	- .5
Credit agencies other than banks	30.7	30.8	30.2	- .2	1.7
Insurance carriers	58.7	59.0	58.8	- .6	- .2
SERVICES	905.0	897.8	871.1	.8	3.9
Hotels and other lodging places	33.1	34.5	32.3	- 3.9	2.8
Laundry, cleaning, & garment services	17.4	17.2	17.6	1.4	- 1.1
Business services	134.0	133.6	129.2	.3	3.7
Health services	318.3	317.9	301.6	.1	5.6
Hospitals	175.4	175.6	167.5	- .1	4.7
GOVERNMENT	646.8	627.1	654.6	3.1	- 1.2
Federal government	89.8	89.8	89.3	.0	.6
State government	128.8	122.5	129.3	5.1	- .4
State government, except education	71.4	72.1	72.1	- 1.0	- 1.1
State government education[i]	57.5	50.5	57.2	13.8	.5
Local government	428.1	414.8	436.0	3.2	- 1.8
Local government, except education	189.1	197.0	188.7	- 4.0	.2
Local government education	239.0	217.7	247.2	9.8	- 3.3

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering educational programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
SEPTEMBER 1982 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1982[b]	August 1982[c]	September 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
MINING	$438.48	$437.38	$437.87	41.8	42.3	43.7	$10.49	$10.34	$10.02
Bituminous coal and lignite mining	521.77	524.75	524.52	40.7	40.9	42.3	12.82	12.83	12.40
CONSTRUCTION	553.91	560.92	488.52	37.2	37.9	35.4	14.89	14.80	13.80
General building contractors	500.36	500.98	453.14	36.9	37.0	35.1	13.56	13.54	12.91
Heavy construction contractors	594.68	603.45	493.89	40.1	40.5	36.9	14.83	14.90	13.52
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Railroad transportation	......	......	......	....	....	....	....	....	....
Transportation, except railroads	......	......	......	....	....	....	....	....	....
Trucking and warehousing	459.17	455.30	436.08	37.0	36.6	36.8	12.41	12.44	11.85
Communication, electric, gas services	439.79	434.80	428.48	40.2	40.0	41.6	10.94	10.87	10.30
Communication	432.13	431.04	432.22	39.5	39.4	41.4	10.94	10.94	10.44
Electric, gas, and sanitary services	448.13	439.82	424.03	41.0	40.8	41.9	10.93	10.78	10.12
WHOLESALE TRADE	315.44	311.92	300.70	38.8	38.7	38.8	8.13	8.06	7.75
Wholesale trade-durable goods	306.92	306.93	296.74	38.9	39.0	39.2	7.89	7.87	7.57
Motor vehicles & automotive equipment	262.39	263.25	279.74	38.7	38.6	39.4	6.78	6.82	7.10
Electrical goods	255.43	254.00	247.59	36.7	36.6	37.4	6.96	6.94	6.62
Machinery, equipment, and supplies	335.09	334.84	306.92	39.1	39.3	38.9	8.57	8.52	7.89
Wholesale trade-nondurable goods	330.42	321.64	308.32	38.6	38.2	38.3	8.56	8.42	8.05
Groceries and related products	363.94	353.16	344.81	40.8	40.5	41.0	8.92	8.72	8.41
RETAIL TRADE[f]	154.94	154.88	153.11	29.4	29.5	29.5	5.27	5.25	5.19
General merchandise stores	157.86	160.87	161.82	30.3	30.7	31.0	5.21	5.24	5.22
Department stores	159.90	163.24	164.95	30.4	30.8	31.3	5.26	5.30	5.27
Food stores	224.11	224.82	236.28	31.3	31.4	33.0	7.16	7.16	7.16
Automotive dealers & service stations	201.30	198.55	196.79	36.8	36.7	37.2	5.47	5.41	5.29
Apparel and accessory stores	115.63	114.11	113.16	27.4	27.3	27.4	4.22	4.18	4.13
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	204.06	203.63	186.50	....	....	....	....	....	....
Credit agencies other than banks	203.68	202.82	191.66	....	....	....	....	....	....
Insurance carriers	275.98	275.76	255.14	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
Hotels and other lodging places	......	......	......	....	....	....	....	....	....
Laundry, cleaning, & garment services	......	......	......	....	....	....	....	....	....
Business services	......	......	......	....	....	....	....	....	....
Health services	......	......	......	....	....	....	....	....	....
Hospitals	272.21	269.94	245.48	34.5	34.3	34.0	7.89	7.87	7.22
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes miscellaneous manufacturing. [e] Includes tobacco manufactures. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
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Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1982[b]	August 1982[c]	September 1981[c]	August 1982	September 1981
TOTAL	255.9	250.9	262.9	2.0	-2.7
MANUFACTURING	70.0	69.2	76.8	1.2	-8.9
Durable Goods[e]	34.9	34.1	38.6	2.3	-9.6
Stone, clay, and glass products	1.5	1.5	1.9	.7	-18.7
Fabricated metal products	13.3	12.7	14.9	4.6	-11.0
Machinery, except electrical	9.3	9.2	10.9	.9	-15.1
Special industry machinery	1.6	1.7	2.1	-1.8	-20.9
Nondurable Goods[f]	35.1	35.1	38.2	.1	-8.1
Food and kindred products	2.8	2.8	2.9	1.3	-3.9
Chemicals and allied products	3.7	3.6	3.9	.9	-4.7
Rubber and misc. plastics products	23.6	23.7	26.2	-.3	-9.9
Tires and inner tubes	17.7	17.6	20.0	.4	-11.4
NONMANUFACTURING[g]	185.9	181.7	186.1	2.3	-.1
CONSTRUCTION	7.9	7.9	8.5	.3	-7.1
TRANSPORTATION AND PUBLIC UTILITIES	13.6	13.6	14.0	-.1	-3.2
Communication, electric, gas services	5.5	5.6	5.5	-1.4	-.2
WHOLESALE TRADE	12.4	12.5	12.1	-.4	2.5
RETAIL TRADE	46.0	45.9	45.9	.3	.3
FINANCE, INSURANCE, AND REAL ESTATE	9.2	9.3	9.2	-1.0	-.5
SERVICES	54.1	55.2	53.3	-2.1	1.4
GOVERNMENT	42.0	36.8	42.4	14.2	-.9
State government (includes education)	13.8	9.7	13.4	41.5	2.5
Local government (includes education)	26.1	24.9	26.8	4.8	-2.6

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
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Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1982[b]	August 1982[c]	September 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$408.04	$393.56	$393.31	41.3	40.2	40.8	$ 9.88	$ 9.79	$ 9.64
Durable Goods[d]	402.05	381.79	372.65	40.9	39.4	40.2	9.83	9.69	9.27
Stone, clay, and glass products	388.57	388.57	358.20	42.7	42.7	39.8	9.10	9.10	9.00
Fabricated metal products	405.16	390.53	359.28	39.8	38.6	38.1	10.18	10.12	9.43
Machinery, except electrical	390.58	393.95	387.11	41.2	41.6	42.4	9.48	9.47	9.13
Special industry machinery	361.67	352.56	361.67	39.7	39.0	42.7	9.11	9.04	8.47
Nondurable Goods[e]	414.50	408.29	418.74	41.7	41.2	41.5	9.94	9.91	10.09
Food and kindred products	443.09	436.50	400.45	46.3	45.0	45.3	9.57	9.70	8.84
Chemicals and allied products	434.78	434.95	423.20	42.5	42.6	43.9	10.23	10.21	9.64
Rubber and misc. plastics products	426.96	423.30	434.89	41.9	41.5	41.3	10.19	10.20	10.53
Tires and inner tubes	530.04	538.06	535.52	42.0	42.4	42.3	12.62	12.69	12.66
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	507.50	540.48	477.61	34.5	37.3	35.3	14.71	14.49	13.53
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	438.69	437.49	433.06	39.7	39.7	41.6	11.05	11.02	10.41
WHOLESALE TRADE	289.30	288.56	280.10	39.2	39.1	37.8	7.38	7.38	7.41
RETAIL TRADE[f]	169.83	171.54	170.85	29.9	30.2	30.4	5.68	5.68	5.62
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Date relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1982[b]	August 1982[c]	September 1981[c]	August 1982	September 1981
TOTAL	154.2	153.4	158.8	.5	- 2.9
MANUFACTURING	50.6	50.3	56.5	.6	- 10.4
Durable Goods[e]	38.9	38.4	44.2	1.2	- 12.0
Stone, clay, and glass products	2.1	2.1	2.2	1.3	- 3.0
Primary metal industries	12.0	12.0	14.8	- .1	- 18.6
Fabricated metal products	9.2	9.2	10.3	1.0	- 10.0
Fabricated structural metal products	3.5	3.5	3.4	1.3	4.2
Metal forgings and stampings	2.4	2.3	3.2	1.5	- 26.5
Nondurable Goods[f]	11.7	11.9	12.3	- 1.4	- 4.6
Food and kindred products	4.1	4.2	4.3	- 3.2	- 5.9
Rubber and misc. plastics products	3.0	3.1	3.2	- 1.2	- 4.4
NONMANUFACTURING[g]	103.6	103.1	102.4	.4	1.2
CONSTRUCTION	5.4	5.4	5.6	.6	- 3.6
TRANSPORTATION AND PUBLIC UTILITIES	7.0	7.0	7.1	- 1.0	- 1.6
Communication, electric, gas services	3.0	3.0	3.0	- 3.0	- 2.3
WHOLESALE TRADE	7.3	7.3	7.3	- .7	.1
RETAIL TRADE	26.4	26.3	26.3	.4	.5
FINANCE, INSURANCE, AND REAL ESTATE	6.6	6.5	6.4	.7	3.1
SERVICES	31.2	31.0	30.3	.6	3.0
GOVERNMENT	18.2	18.1	18.1	.8	.9
Local government (includes education)	15.2	15.1	15.0	.9	1.8

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1982[b]	August 1982[c]	September 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$404.82	$398.09	$399.40	39.0	38.5	40.1	$10.38	$10.34	$ 9.96
Durable Goods[d]	408.87	403.56	405.78	38.5	38.0	39.9	10.62	10.62	10.17
Stone, clay, and glass products	267.98	250.97	270.22	39.7	38.2	41.7	6.75	6.57	6.48
Primary metal industries	467.20	452.06	481.59	36.5	35.4	39.9	12.80	12.77	12.07
Fabricated metal products	426.10	441.31	396.93	39.6	40.9	39.3	10.76	10.79	10.10
Fabricated structural metal products	410.87	430.08	356.69	40.4	42.0	39.5	10.17	10.24	9.03
Metal forgings and stampings	489.27	515.30	466.06	38.8	40.8	39.8	12.61	12.63	11.71
Nondurable Goods[e]	393.59	376.54	368.34	41.3	40.1	40.7	9.53	9.39	9.05
Food and kindred products	419.72	414.32	429.91	39.3	37.7	41.1	10.68	10.99	10.46
Rubber and misc. plastics products	410.18	401.36	373.80	46.4	46.4	44.5	8.84	8.65	8.40
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	557.96	537.63	496.66	37.7	36.4	36.6	14.80	14.77	13.57
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	456.84	459.00	444.78	40.5	40.8	42.0	11.28	11.25	10.59
WHOLESALE TRADE	295.24	290.29	275.08	37.9	37.7	38.1	7.79	7.70	7.22
RETAIL TRADE[f]	151.47	151.17	146.08	29.7	29.7	29.1	5.10	5.09	5.02
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1982[b]	August 1982[c]	September 1981[c]	August 1982	September 1981
TOTAL	588.3	582.4	598.2	1.0	-1.7
MANUFACTURING	150.4	150.1	159.7	.2	-5.8
Durable Goods[e]	82.8	82.5	88.7	.4	-6.7
Furniture and fixtures	2.2	2.2	2.6	.9	-14.7
Primary metal industries	2.1	2.2	2.6	-6.6	-20.0
Fabricated metal products	12.8	12.7	14.8	.9	-13.5
Fabricated structural metal products	4.3	4.3	4.7	.1	-9.8
Machinery, except electrical	23.1	23.3	25.5	-1.0	-9.3
Metalworking machinery	11.9	12.1	13.3	-2.0	-11.0
General industrial machinery	3.2	3.3	3.7	-2.0	-12.7
Electric and electronic equipment	8.1	8.1	8.8	-.1	-8.6
Transportation equipment	22.9	22.7	23.4	.8	-2.1
Motor vehicles and equipment	8.0	7.9	7.5	1.6	7.3
Nondurable Goods[f]	67.6	67.6	70.9	.0	-4.7
Food and kindred products	16.0	16.2	17.2	-1.0	-6.9
Meat products	2.1	2.2	2.5	-5.5	-16.1
Bakery products	2.6	2.5	2.6	4.5	-.3
Beverages	4.7	4.9	5.1	-4.9	-9.0
Apparel and other textile products	4.2	4.2	4.0	-1.3	3.1
Paper and allied products	6.0	5.9	6.5	2.4	-7.1
Printing and publishing	11.4	11.3	11.9	.3	-4.6
Chemicals and allied products	22.3	22.3	22.5	-.1	-.8
Rubber and misc. plastics products	4.0	3.9	4.4	2.1	-9.8
NONMANUFACTURING[g]	437.8	432.3	438.6	1.3	-.2
CONSTRUCTION	22.3	22.1	23.6	.8	-5.5
TRANSPORTATION AND PUBLIC UTILITIES	32.7	32.6	33.4	.0	-2.3
Communication, electric, gas services	14.3	14.5	14.3	-1.6	-.4
WHOLESALE TRADE	37.4	37.5	37.9	-.2	-1.3
RETAIL TRADE	100.8	100.0	102.4	.8	-1.6
FINANCE, INSURANCE, AND REAL ESTATE	32.4	32.5	32.6	-.1	-.6
Banking	7.4	7.4	7.5	-.4	-.8
Insurance carriers	11.3	11.3	11.3	-.5	-.5
SERVICES	132.0	131.1	126.9	.7	4.0
GOVERNMENT	79.8	76.1	81.4	4.9	-1.9
Federal government	12.7	12.8	12.8	-1.3	-.5
State government (includes education)	17.0	16.5	17.0	3.4	.2
Local government	50.1	46.8	51.6	7.1	-3.0
Local government, except education	22.5	22.6	22.7	-.3	-1.0
Local government education	27.6	24.2	28.9	14.0	-4.5

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1982[b]	August 1982[c]	September 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$388.65	$390.72	$367.92	40.4	40.7	41.2	$ 9.62	$ 9.60	$ 8.93
Durable Goods[d]	378.54	380.97	362.25	40.1	40.4	41.4	9.44	9.43	8.75
Furniture and fixtures	262.81	267.89	266.42	36.4	36.9	38.5	7.22	7.26	6.92
Primary metal industries	321.32	328.79	391.68	34.7	34.5	40.8	9.26	9.53	9.60
Fabricated metal products	361.67	370.66	348.88	40.5	41.6	40.9	8.93	8.91	8.53
Fabricated structural metal products	331.97	347.78	341.56	39.9	41.6	43.4	8.32	8.36	7.87
Machinery, except electrical	330.91	337.26	339.80	38.3	38.9	40.5	8.64	8.67	8.39
Metalworking machinery	354.72	361.37	378.72	37.3	37.8	41.3	9.51	9.56	9.17
General industrial machinery	323.33	314.26	333.63	38.4	38.0	40.1	8.42	8.27	8.32
Electric and electronic equipment	284.70	277.81	274.44	39.0	37.9	40.3	7.30	7.33	6.81
Transportation equipment	564.19	550.32	508.47	43.2	42.3	44.1	13.06	13.01	11.53
Motor vehicles and equipment	659.57	651.73	625.78	45.3	44.7	48.1	14.56	14.58	13.01
Nondurable Goods[e]	399.67	400.98	375.15	40.7	41.0	41.0	9.82	9.78	9.15
Food and kindred products	452.92	458.89	413.88	41.4	42.1	41.1	10.94	10.90	10.07
Meat products	426.22	488.19	427.99	41.3	44.1	40.3	10.32	11.07	10.62
Bakery products	381.91	391.68	377.44	39.7	41.1	42.6	9.62	9.53	8.86
Beverages	418.81	437.31	357.10	41.1	43.6	38.9	10.19	10.03	9.18
Apparel and other textile products	224.87	220.52	200.41	40.3	39.1	37.6	5.58	5.64	5.33
Paper and allied products	355.31	354.87	330.01	41.9	41.7	41.2	8.48	8.51	8.01
Printing and publishing	385.84	374.74	386.40	38.7	38.2	40.0	9.97	9.81	9.66
Chemicals and allied products	442.60	450.17	409.12	40.2	41.3	41.2	11.01	10.90	9.93
Rubber and misc. plastics products	314.07	331.14	332.51	42.1	43.4	44.1	7.46	7.63	7.54
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	556.14	558.76	506.02	37.3	37.4	36.3	14.91	14.94	13.94
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	417.91	407.12	399.78	39.5	38.7	40.3	10.58	10.52	9.92
WHOLESALE TRADE	319.66	314.55	299.12	38.7	38.5	39.1	8.26	8.17	7.65
RETAIL TRADE[f]	157.34	157.78	154.53	30.2	30.4	30.3	5.21	5.19	5.10
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	198.80	200.06	191.33	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [g] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1982[b]	August 1982[c]	September 1981[c]	August 1982	September 1981
TOTAL	859.2	857.7	883.1	.2	-2.7
MANUFACTURING	228.6	226.6	249.9	.9	-8.5
Durable Goods[e]	162.2	160.1	181.8	1.3	-10.8
Furniture and fixtures	2.3	2.2	2.2	1.1	1.6
Primary metal industries	27.0	26.6	30.5	1.7	-11.2
Blast furnace and basic steel products	14.1	14.0	15.8	.3	-11.2
Iron and steel foundries	6.8	6.6	7.3	2.8	-6.6
Nonferrous foundries	2.7	2.6	3.0	5.2	-10.1
Fabricated metal products	35.5	35.2	39.9	.9	-11.0
Fabricated structural metal products	4.1	4.1	4.7	-.2	-11.8
Screw machine products, bolts, etc.	5.5	5.5	5.9	-1.2	-7.5
Metal forgings and stampings	12.5	12.1	14.2	4.0	-11.6
Machinery, except electrical	38.1	37.9	45.8	.4	-16.8
Construction and related machinery	5.7	5.5	7.8	5.0	-26.5
Metalworking machinery	13.6	13.7	16.5	-.8	-17.7
Special industry machinery	4.3	4.3	4.5	1.0	-3.5
General industrial machinery	2.9	3.0	3.7	-2.8	-21.5
Electric and electronic equipment	24.0	24.1	25.1	-.2	-4.3
Electrical industrial apparatus	8.0	8.1	9.1	-1.9	-12.6
Transportation equipment	20.5	19.2	22.5	6.6	-8.9
Motor vehicles and equipment	13.6	12.4	15.0	9.4	-9.5
Instruments and related products	6.2	6.2	6.7	-.2	-7.5
Nondurable Goods[f]	66.4	66.5	68.1	-.1	-2.5
Food and kindred products	8.3	8.2	8.4	.4	-1.7
Bakery products	1.9	1.8	1.8	1.5	1.6
Beverages	1.6	1.6	1.6	-2.0	-.5
Apparel and other textile products	5.2	5.1	5.5	2.9	-4.1
Paper and allied products	5.1	5.0	5.1	2.1	-1.1
Printing and publishing	14.7	14.9	15.3	-1.1	-4.0
Chemicals and allied products	15.5	15.7	16.2	-1.3	-4.6
Industrial inorganic chemicals	3.9	3.9	4.2	.1	-6.7
Rubber and misc. plastics products	11.0	10.9	11.2	.3	-1.9
NONMANUFACTURING[g]	630.6	631.1	633.2	-.1	-.4
CONSTRUCTION	27.5	27.3	29.5	.7	-6.8
TRANSPORTATION AND PUBLIC UTILITIES	44.3	44.6	46.0	-.6	-3.6
Communication, electric, gas services	19.8	20.1	20.1	-1.4	-1.4
WHOLESALE TRADE	60.8	61.0	62.2	-.3	-2.2
RETAIL TRADE	135.6	134.4	138.2	.9	-1.9
FINANCE, INSURANCE, AND REAL ESTATE	48.1	48.4	48.0	-.7	.2
Banking	13.5	13.6	13.7	-.8	-1.1
Insurance carriers	11.7	11.8	11.9	-.8	-1.8
SERVICES	199.4	197.5	194.2	1.0	2.6
GOVERNMENT	113.7	116.6	113.8	-2.5	-.1
Federal government	19.2	19.3	19.6	-.2	-1.5
State government (includes education)	7.0	7.1	7.2	-2.2	-3.1
Local government	87.5	90.2	87.0	-3.0	.5
Local government, except education	46.5	50.5	46.2	-7.8	.8
Local government education	40.9	39.7	40.9	3.1	.1

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1982[b]	August 1982[c]	September 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$408.35	$408.22	$400.41	39.8	40.1	40.9	$10.26	$10.18	$ 9.79
Durable Goods[d]	431.48	430.40	421.45	40.1	40.3	41.4	10.76	10.68	10.18
Furniture and fixtures	317.17	329.80	279.49	39.4	41.8	39.7	8.05	7.89	7.04
Primary metal industries	509.04	527.26	506.51	39.8	41.0	42.6	12.79	12.86	11.89
Blast furnace and basic steel products	487.81	517.13	558.78	35.4	37.5	42.3	13.78	13.79	13.21
Iron and steel foundries	674.91	676.32	566.37	47.9	48.0	43.5	14.09	14.09	13.02
Nonferrous foundries	324.61	341.73	310.79	38.1	39.1	38.8	8.52	8.74	8.01
Fabricated metal products	403.06	408.80	394.99	39.4	40.0	40.1	10.23	10.22	9.85
Fabricated structural metal products	356.70	351.02	330.34	41.0	41.2	39.8	8.70	8.52	8.30
Screw machine products, bolts, etc.	338.47	347.62	364.99	37.4	38.2	40.6	9.05	9.10	8.99
Metal forgings and stampings	489.57	510.05	482.98	39.9	41.4	41.0	12.27	12.32	11.78
Machinery, except electrical	412.78	399.75	418.20	39.5	39.0	41.0	10.45	10.25	10.20
Construction and related machinery	436.92	433.74	436.50	38.7	38.9	38.8	11.29	11.15	11.25
Metalworking machinery	365.30	366.38	424.11	37.2	37.5	42.2	9.82	9.77	10.05
Special industry machinery	415.42	420.03	397.02	38.5	39.0	39.0	10.79	10.77	10.18
General industrial machinery	380.98	394.13	415.95	38.6	39.1	42.1	9.87	10.08	9.88
Electric and electronic equipment	340.10	348.04	371.95	38.0	38.8	43.0	8.95	8.97	8.65
Electrical industrial apparatus	345.24	333.87	415.67	36.0	35.9	44.6	9.59	9.30	9.32
Transportation equipment	553.01	532.52	479.13	44.1	43.4	41.7	12.54	12.27	11.49
Motor vehicles and equipment	582.89	566.77	495.46	44.7	43.8	41.6	13.04	12.94	11.91
Instruments and related products	340.27	329.27	296.87	41.7	40.6	40.5	8.16	8.11	7.33
Nondurable Goods[e]	342.03	346.90	332.87	39.0	39.6	39.3	8.77	8.76	8.47
Food and kindred products	375.99	386.69	342.69	41.5	42.4	40.7	9.06	9.12	8.42
Bakery products	439.31	391.00	344.70	43.8	40.9	38.3	10.03	9.56	9.00
Beverages	330.34	318.40	316.84	41.5	39.8	41.8	7.96	8.00	7.58
Apparel and other textile products	246.42	242.00	237.25	37.0	36.5	37.9	6.66	6.63	6.26
Paper and allied products	358.70	363.60	345.70	39.9	40.4	41.5	8.99	9.00	8.33
Printing and publishing	353.35	349.20	360.51	35.8	36.0	36.9	9.87	9.70	9.77
Chemicals and allied products	420.04	414.73	395.35	40.9	40.9	40.8	10.27	10.14	9.69
Industrial inorganic chemicals	396.92	396.92	403.46	38.8	38.8	39.4	10.23	10.23	10.24
Rubber and misc. plastics products	291.85	313.58	280.76	39.6	41.7	39.6	7.37	7.52	7.09
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	613.96	638.06	552.75	37.3	38.6	35.8	16.46	16.53	15.44
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	468.03	464.84	463.56	39.9	39.9	41.8	11.73	11.65	11.09
WHOLESALE TRADE	330.58	334.38	320.97	38.8	39.2	39.0	8.52	8.53	8.23
RETAIL TRADE[f]	166.74	167.30	158.18	29.1	29.3	28.5	5.73	5.71	5.55
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	234.51	233.71	216.67	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]

SEPTEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1982[b]	August 1982[c]	September 1981[c]	August 1982	September 1981
TOTAL	505.1	502.5	508.5	.5	- .7
MANUFACTURING	88.2	88.0	94.3	.2	- 6.4
Durable Goods[e]	55.3	55.2	60.5	.3	- 8.5
Stone, clay, and glass products	9.1	9.0	10.1	1.8	- 9.3
Fabricated metal products	8.7	8.8	11.1	- 1.1	- 21.4
Machinery, except electrical	10.4	10.5	12.2	- .9	- 14.7
Electric and electronic equipment	11.6	11.5	12.3	.2	- 5.9
Transportation equipment	6.9	6.7	5.8	3.6	19.9
Nondurable Goods[f]	32.9	32.9	33.8	.2	- 2.7
Food and kindred products	10.9	10.9	10.8	.2	.9
Printing and publishing	8.4	8.4	8.5	.6	- .9
Chemicals and allied products	6.0	5.9	5.9	.6	1.0
Rubber and misc. plastics products	2.7	2.7	3.1	- 1.2	- 15.0
NONMANUFACTURING[g]	416.8	414.4	414.2	.6	.6
CONSTRUCTION	18.0	18.1	19.3	- .5	- 6.7
TRANSPORTATION AND PUBLIC UTILITIES	23.7	23.7	24.7	.0	- 4.1
Communication, electric, gas services	11.2	11.3	11.7	- 1.1	- 4.0
WHOLESALE TRADE	27.7	27.7	27.4	- .1	1.0
RETAIL TRADE	93.7	93.1	93.8	.7	- .1
FINANCE, INSURANCE, AND REAL ESTATE	41.5	41.6	39.6	- .2	4.8
Banking	8.1	8.2	7.8	- .9	3.8
Insurance carriers	17.9	18.0	17.2	- .7	3.8
SERVICES	114.3	113.9	110.2	.4	3.8
GOVERNMENT	97.0	95.4	98.5	1.6	- 1.6
Federal government	11.3	11.3	11.4	.0	- 1.0
State government	44.3	44.0	45.5	.5	- 2.6
State government, except education	28.6	28.9	29.2	- .8	- 1.7
State government education[i]	15.6	15.2	16.3	3.0	- 4.2
Local government	41.4	40.1	41.6	3.2	- .6
Local government, except education	17.7	19.4	17.4	- 8.6	1.8
Local government education	23.6	20.6	24.2	14.4	- 2.3

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering education programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1982[b]	August 1982[c]	September 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$377.20	$372.24	$354.40	40.0	39.6	40.0	$ 9.43	$ 9.40	$ 8.86
Durable Goods[d]	390.57	385.52	363.53	40.1	39.5	39.6	9.74	9.76	9.18
Stone, clay, and glass products	378.12	351.66	339.77	41.1	38.9	39.6	9.20	9.04	8.58
Fabricated metal products	428.35	437.97	414.07	38.8	39.0	39.1	11.04	11.23	10.59
Machinery, except electrical	372.49	367.20	346.45	40.4	40.0	41.0	9.22	9.18	8.45
Electric and electronic equipment	390.46	385.92	364.05	40.8	40.2	39.7	9.57	9.60	9.17
Transportation equipment	456.44	468.86	382.57	40.9	41.9	38.8	11.16	11.19	9.86
Nondurable Goods[e]	351.83	346.26	337.02	39.8	39.8	40.9	8.84	8.70	8.24
Food and kindred products	364.59	347.32	340.59	42.1	41.2	42.1	8.66	8.43	8.09
Printing and publishing	402.64	398.11	383.38	37.7	37.7	39.2	10.68	10.56	9.78
Chemicals and allied products	393.31	384.56	365.44	40.8	40.1	41.2	9.64	9.59	8.87
Rubber and misc. plastics products	300.25	317.26	310.78	41.3	42.7	41.0	7.27	7.43	7.58
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	513.94	498.13	443.81	38.7	38.2	36.2	13.28	13.04	12.26
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	456.55	444.77	456.29	39.7	39.5	41.9	11.50	11.26	10.89
WHOLESALE TRADE	308.50	302.24	289.34	39.4	39.1	39.1	7.83	7.73	7.40
RETAIL TRADE[f]	156.17	154.08	145.24	29.3	28.8	29.4	5.33	5.35	4.94
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	229.24	227.74	182.34	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1982[b]	August 1982[c]	September 1981[c]	August 1982	September 1981
TOTAL	347.2	341.0	356.2	1.8	- 2.5
MANUFACTURING	89.4	88.5	99.6	1.0	- 10.3
Durable Goods[e]	62.2	61.3	68.3	1.5	- 9.0
Stone, clay, and glass products	2.1	2.0	2.4	1.2	- 12.7
Fabricated metal products	6.6	6.6	7.0	- .6	- 5.7
Machinery, except electrical	29.7	29.2	31.9	1.7	- 7.0
Metalworking machinery	6.3	6.2	7.2	1.2	- 13.0
Electric and electronic equipment	4.6	4.6	5.6	.8	- 17.6
Electrical industrial apparatus	2.7	2.7	3.5	.3	- 23.1
Transportation equipment	13.2	12.8	14.8	2.6	- 10.8
Nondurable Goods[f]	27.1	27.2	31.2	- .1	- 13.1
Food and kindred products	3.3	3.3	3.1	.5	5.7
Paper and allied products	5.0	5.0	6.1	- .7	- 18.5
Printing and publishing	7.5	7.5	9.5	.4	- 21.3
Rubber and misc. plastics products	7.7	7.6	8.8	.2	- 13.0
NONMANUFACTURING[g]	257.9	252.5	256.6	2.2	.5
CONSTRUCTION	11.5	11.6	12.5	- 1.0	- 7.8
TRANSPORTATION AND PUBLIC UTILITIES	13.1	13.2	13.5	- 1.0	- 3.0
Communication, electric, gas services	6.3	6.5	6.7	- 2.9	- 5.9
WHOLESALE TRADE	16.7	16.6	16.5	.6	1.0
RETAIL TRADE	56.0	55.6	57.0	.8	- 1.7
FINANCE, INSURANCE, AND REAL ESTATE	14.1	14.2	13.6	- .3	3.8
SERVICES	78.8	77.0	75.5	2.5	4.4
GOVERNMENT	67.2	63.9	67.7	5.1	- .8
Federal government	26.9	26.6	25.9	1.1	3.8
State government (includes education)	5.5	5.6	5.1	- 1.1	7.2
Local government	34.8	31.8	36.7	9.6	- 5.1
Local government, except education	12.6	13.0	13.5	- 3.4	- 6.7
Local government education	22.3	18.8	23.2	18.6	- 4.1

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1982[b]	August 1982[c]	September 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$406.21	$405.42	$396.58	40.1	40.3	40.8	$10.13	$10.06	$ 9.72
Durable Goods[d]	407.63	407.84	397.17	40.2	40.5	41.2	10.14	10.07	9.64
Stone, clay, and glass products	396.55	406.27	376.80	38.5	38.4	40.0	10.30	10.58	9.42
Fabricated metal products	322.97	328.55	284.57	39.1	39.3	38.3	8.26	8.36	7.43
Machinery, except electrical	422.09	429.11	411.84	40.9	41.3	41.6	10.32	10.39	9.90
Metalworking machinery	405.20	399.56	395.11	40.0	39.6	41.2	10.13	10.09	9.59
Electric and electronic equipment	292.99	302.84	296.74	38.2	39.9	41.1	7.67	7.59	7.22
Electrical industrial apparatus	300.37	317.15	314.67	36.9	39.3	41.9	8.14	8.07	7.51
Transportation equipment	520.33	494.40	515.58	41.1	40.0	42.4	12.66	12.36	12.16
Nondurable Goods[e]	404.40	400.20	397.98	40.0	39.9	40.2	10.11	10.03	9.90
Food and kindred products	397.32	391.16	396.01	39.3	38.5	39.8	10.11	10.16	9.95
Paper and allied products	356.54	361.23	371.51	41.7	42.2	43.3	8.55	8.56	8.58
Printing and publishing	376.24	383.91	410.29	37.4	38.2	39.3	10.06	10.05	10.44
Rubber and misc. plastics products	493.27	482.40	451.20	40.8	40.2	38.4	12.09	12.00	11.75
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	536.05	548.63	447.30	39.3	39.3	35.0	13.64	13.96	12.78
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	432.53	428.97	418.82	39.5	39.5	40.9	10.95	10.86	10.24
WHOLESALE TRADE	313.66	310.25	287.16	41.6	41.7	41.2	7.54	7.44	6.97
RETAIL TRADE[f]	149.50	149.94	148.92	29.2	29.4	29.2	5.12	5.10	5.10
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1982[b]	August 1982[c]	September 1981[c]	August 1982	September 1981
TOTAL	283.8	281.3	291.8	.9	- 2.7
MANUFACTURING	69.2	68.8	76.9	.5	- 10.1
Durable Goods[e]	52.7	52.6	59.5	.3	- 11.3
Stone, clay, and glass products	12.1	12.1	13.0	- .3	- 7.5
Primary metal industries	3.8	4.0	4.6	- 5.4	- 18.1
Fabricated metal products	6.7	6.8	8.2	- .8	- 18.3
Metal forgings and stampings	3.2	3.2	4.0	1.5	- 19.9
Machinery, except electrical	6.0	6.0	7.0	- .7	- 15.4
General industrial machinery	1.8	1.8	2.2	- 1.3	- 17.7
Transportation equipment	16.7	16.3	17.6	2.0	- 5.3
Motor vehicles and equipment	15.2	14.9	16.4	1.8	- 7.1
Nondurable Goods[f]	16.4	16.2	17.5	1.2	- 5.9
Food and kindred products	4.9	4.7	5.1	3.1	- 4.6
Petroleum and coal products	1.7	1.7	1.7	.1	1.3
Rubber and misc. plastics products	3.0	2.9	3.2	1.6	- 7.2
NONMANUFACTURING[g]	214.6	212.5	214.9	1.0	- .1
CONSTRUCTION	11.2	10.1[h]	12.3	11.4	- 8.7
TRANSPORTATION AND PUBLIC UTILITIES	19.0	19.1	19.5	- .4	- 2.6
Communication, electric, gas services	7.8	7.9	7.7	- 1.0	1.1
WHOLESALE TRADE	14.3	14.3	14.7	- .1	- 2.5
RETAIL TRADE	51.0	51.1	51.5	- .3	- 1.1
FINANCE, INSURANCE, AND REAL ESTATE	10.8	10.8	10.5	- .1	2.4
SERVICES	67.2	67.3	64.5	- .1	4.2
GOVERNMENT	40.6	39.3	41.4	3.3	- 1.8
State government (includes education)	11.0	11.4	10.5	- 3.3	5.1
Local government	26.8	25.2	28.1	6.6	- 4.5
Local government, except education	11.3	11.5	11.4	- 1.0	- .6
Local government education	15.5	13.7	16.7	13.0	- 7.1

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1982[b]	August 1982[c]	September 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$449.45	$451.67	$421.41	41.5	41.4	41.6	$10.83	$10.91	$10.13
Durable Goods[d]	467.21	469.99	436.58	41.2	41.3	41.5	11.34	11.38	10.52
Stone, clay, and glass products	474.46	468.57	433.39	42.4	42.1	42.2	11.19	11.13	10.27
Primary metal industries	411.07	406.72	403.74	40.7	41.0	42.1	10.10	9.92	9.59
Fabricated metal products	436.24	432.63	406.99	41.0	39.8	41.7	10.64	10.87	9.76
Metal forgings and stampings	475.93	478.00	467.42	40.1	40.0	42.3	11.87	11.95	11.05
Machinery, except electrical	423.80	422.94	421.07	40.4	39.9	41.0	10.49	10.60	10.27
General industrial machinery	473.28	470.26	461.85	40.8	40.4	41.2	11.60	11.64	11.21
Transportation equipment	541.73	553.78	526.25	41.8	42.5	42.1	12.96	13.03	12.50
Motor vehicles and equipment	541.68	552.90	529.20	41.7	42.4	42.1	12.99	13.04	12.57
Nondurable Goods[e]	392.20	393.65	368.34	42.4	41.7	42.0	9.25	9.44	8.77
Food and kindred products	413.25	394.25	386.51	47.5	44.1	45.1	8.70	8.94	8.57
Petroleum and coal products	603.07	622.86	562.76	43.2	44.3	44.0	13.96	14.06	12.79
Rubber and misc. plastics products	324.18	332.02	311.26	39.2	39.2	39.3	8.27	8.47	7.92
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	598.69	622.51	498.19	35.7	39.6	32.1	16.77	15.72	15.52
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	464.26	476.08	454.95	40.3	40.9	41.7	11.52	11.64	10.91
WHOLESALE TRADE	342.99	326.80	318.27	38.8	38.0	38.3	8.84	8.60	8.31
RETAIL TRADE[f]	159.64	159.25	158.47	29.4	29.6	29.4	5.43	5.38	5.39
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1982[b]	August 1982[c]	September 1981[c]	August 1982	September 1981
TOTAL	188.8	183.3	202.2	3.0	- 6.7
MANUFACTURING	56.0	52.7	69.4	6.2	- 19.4
Durable Goods[e]	50.0	46.8	63.5	6.9	- 21.2
Stone, clay, and glass products	2.0	1.9	2.0	2.8	- .8
Primary metal industries	23.1	23.4	29.9	- 1.6	- 22.9
Blast furnace and basic steel products	10.6	11.3	15.6	- 6.5	- 31.9
Fabricated metal products	8.5	8.5	9.2	.5	- 6.8
Fabricated structural metal products	2.7	2.7	2.8	- .2	- 3.3
Machinery, except electrical	4.8	4.9	5.6	- .9	- 13.0
Metalworking machinery	2.4	2.4	2.6	.0	- 7.4
Electric and electronic equipment	2.6	2.9	3.1	- 10.3	- 16.3
Transportation equipment	7.2	3.4	11.9	112.5	- 39.0
Nondurable Goods[f]	5.9	5.9	5.9	1.2	.9
NONMANUFACTURING[g]	132.8	130.7	132.8	1.6	.0
CONSTRUCTION	6.3	6.2	6.9	.3	- 9.6
TRANSPORTATION AND PUBLIC UTILITIES	9.1	9.0	9.3	.5	- 2.6
Communication, electric, gas services	3.2	3.3	3.3	- 1.5	- 2.5
WHOLESALE TRADE	7.8	7.8	8.0	- .5	- 2.1
RETAIL TRADE	36.1	36.1	36.6	.1	- 1.2
FINANCE, INSURANCE, AND REAL ESTATE	7.4	7.4	7.2	- .1	2.9
SERVICES	41.1	40.3	40.1	1.9	2.5
GOVERNMENT	24.1	22.8	24.0	5.7	.5
Local government (includes education)	19.4	18.0	19.3	7.8	.3

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1982[b]	August 1982[c]	September 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$468.83	$441.16	$485.14	39.9	37.9	41.5	$11.75	$11.64	$11.69
Durable Goods[d]	484.80	454.36	497.59	40.0	37.8	41.5	12.12	12.02	11.99
Stone, clay, and glass products	325.23	309.76	294.38	37.0	35.2	37.5	8.79	8.80	7.85
Primary metal industries	485.09	476.84	535.87	37.2	36.4	41.0	13.04	13.10	13.07
Blast furnace and basic steel products	503.52	484.05	585.16	36.7	35.0	42.9	13.72	13.83	13.64
Fabricated metal products	458.24	451.24	455.94	39.3	38.7	40.1	11.66	11.66	11.37
Fabricated structural metal products	354.72	348.65	340.58	37.3	36.7	37.8	9.51	9.50	9.01
Machinery, except electrical	432.43	426.73	427.96	37.8	37.4	38.8	11.44	11.41	11.03
Metalworking machinery	459.36	458.93	428.96	39.6	39.7	38.3	11.60	11.56	11.20
Electric and electronic equipment	394.83	393.66	345.02	41.0	40.5	40.4	9.63	9.72	8.54
Transportation equipment	642.00	530.93	551.46	50.0	43.2	45.5	12.84	12.29	12.12
Nondurable Goods[e]	324.58	329.94	336.57	39.2	39.0	41.5	8.28	8.46	8.11
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	554.01	573.35	527.99	36.4	38.3	37.0	15.22	14.97	14.27
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	433.13	433.52	450.39	39.7	39.7	43.6	10.91	10.92	10.33
WHOLESALE TRADE	329.08	331.57	331.20	38.0	38.6	40.0	8.66	8.59	8.28
RETAIL TRADE[f]	157.00	157.24	156.38	29.4	29.5	29.9	5.34	5.33	5.23
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216